

U. S. ATOMIC ENERGY COMMISSION
STATEMENT OF AUTHORITY
 FORM OR 169 (May 9, 1947)

717203

1144

<p>1. DELEGATED TO (Name, title, unit, location)</p> <p>Medical Advisor Oak Ridge Operations</p>	<p>2. DELEGATED BY (Name, title, unit, location)</p> <p>Director of Research and Medicine Oak Ridge Operations</p>
<p>3. NUMBER ASSIGNED TO THIS STATEMENT OF AUTHORITY</p>	<p>5. THIS STATEMENT OF AUTHORITY IS REDELEGATION NUMBER</p>
<p>4. EFFECTIVE DATE OF THIS STATEMENT OF AUTHORITY December 31, 1950</p>	<p>OF STATEMENT OF AUTHORITY NO.</p>

1. The authority vested in you by the following Statements of Authority is revoked as of the effective date indicated above:

<u>Statement of Authority No.</u>	<u>Contract</u>
756	AT-(40-1)-285, Baylor University College of Medicine
757	AT-(40-1)-288, Bowman-Gray School of Medicine
763	AT-(40-1)-230, Louisiana State University
765	AT-(40-1)-269, Meharry Medical College
769	AT-(40-1)-266, University of North Carolina
774	AT-(40-1)-283, University of Tennessee
776	AT-(40-1)-233, Tulane University
778	AT-(40-1)-263, University of Virginia
809	AT-(40-1)-1033, Vanderbilt University
810	AT-(40-1)-1038, Southern Research Institute

REPOSITORY Oak Ridge Operations John H. Roberson
 Director of Research and Medicine
 COLLECTION Records Holding Area
Documental 1944-94
 BOX No. 2 of 2 Bldg. 2714-H
Contracts AT-(40-1)-266-288
 FOLDER Bowman Gray 288
Harcnell 1950

1112593

R
RM:AMC

Oak Ridge, Tennessee
November 10, 1950

Wain Forest College
The Bowman Gray School of Medicine
Winston-Salem 7, North Carolina

Attention: Nancy C. Purton, Controller

Subject: PAYMENT UNDER CONTRACT NO. AT-(40-1)-288

Enclosure

I am returning to you the detailed vouchers of expenditures incurred during July, August, and September under Contract No. AT-(40-1)-288. Modification No. 1, Article III, Sections 1 and 2 converted this contract from a cost type to a lump-sum type, and eliminated the necessity for submission of detailed vouchers.

Article III, Section 2b, provides for two payments in the amount of \$14,474.03 each, one of which has been made. Payment for balance will be made after January 1, upon receipt of your certified voucher.

Information of the type you have included in this voucher will be useful at time the request for renewal of the contract is submitted, as required by Section 3, of Article III.

Very truly yours,

[Signature]
John H. Robertson
Director of Research and Medicine

✓ Enclosures: 7
Vouchers of expenditures

Corley:cc

0-4223

OFFICE	Rd M	R Y M	Biology		CONTRACTS
SURNAME	Corley	Lawrence	McBride		288
DATE	11-18-50	11-10-50	11/13/50		

1112594

Office Memorandum • UNITED STATES GOVERNMENT

TO : Albert H. Holland, Jr., M. D., Director of
Research and Medicine

DATE: September 27, 1950

FROM : F. Rousseau Lanou, Director of Finance

SUBJECT: STATUS OF GAO INFORMAL INQUIRIES AND NOTICES OF EXCEPTIONS
OFFICE OF RESEARCH AND MEDICINE AS OF SEPTEMBER 15, 1950

SYMBOL: FA:LPF

We are enclosing, for your information, a copy of a statement reflecting the status of GAO informal inquiries and notices of exceptions pertaining to contracts administered by the Office of Research and Medicine.

F. Rousseau Lanou
F. Rousseau Lanou

Enclosure:
As stated

Fry/lb

*Case is closed.
No action necessary.*

CONTRACTS
284
27-6663

PA:LPF

Oak Ridge, Tennessee
September 18, 1950

Wake Forest College
The Bowman Gray School of Medicine
Winston-Salem 7, North Carolina

Attention: Harry O. Parker, Controller

Subject: GENERAL ACCOUNTING OFFICE INFORMAL INQUIRY NO.
A-425-C(1)

Gentlemen:

You were provided with our letters of May 25, 1950, and August 23, 1950, copies of our replies to the above informal inquiry. Advice has been furnished by the General Accounting Office that the replies were satisfactory.

Very truly yours,

D. J. Mahinchick
Assistant Director of Finance

Fry:bh

CC: Research and Medicine ✓

CONTACTS
Bowman Gray
School of Med
7A-6379

1112596

FA:JS

Greeneville, Tennessee
August 20, 1980

Wake Forest College
The Bowman Gray School of Medicine
Winston-Salem 7, North Carolina

Attention: Larry O. Parker, Controller

Subject: SUPPLEMENTAL REPLY TO INFORMAL INQUIRY NO. A-425-C (1)

Gentlemen:

There is enclosed a copy of our supplemental reply to the above
general account. The Office is unable to determine the exact
amount of the \$2,000.00 cost of the cost of the medical records as
reflected in our account number 51-437, U.S. Department of Health, 438,
under August 14, 1980.

Very truly yours,

J. W. Soart, Jr.,
Acting Controller, Finance

Enclosures:
Supplemental Reply to Inquiry No. A-425-C(1)

Director, OIG

CC: Office of Research and Medicine w/encl.

CONTRACTS
71-5953

UNITED STATES
ATOMIC ENERGY COMMISSION

PA:JS

Oak Ridge, Tennessee
August 23, 1950

Auditor in Charge
General Accounting Office
Field Audit Section
Oak Ridge, Tennessee

Subject: SUPPLEMENTAL REPLY TO GENERAL ACCOUNTING OFFICE
INFORMAL INQUIRY NO. A-425-C(1)

Disbursing Officer: Eugene A. Hudson	D. O. Order No.: 5004
Payee: Bowman Gray School of Medicine	Period of Account: February 1950
Contract No.: AT-(40-1)-288	Bureau Voucher No.: AB-853
Amount of Inquiry: \$152.89	Pt. Payment No.:

With respect to item 3 of this inquiry, credit to the Government in the amount of \$25.00, to cover the cost of Venetian blinds, is reflected on Bureau Voucher No. 51-367, D. O. Voucher No. 435, paid August 17, 1950, accounts of Eugene A. Hudson, Symbol No. 1428.

Daylord T. Walker
Authorized Certifying Officer

1112598

In Reply Refer to:
RMJR

Oak Ridge, Tennessee
August 3, 1950

Harry O. Parker
Controller
Rouman Gray School of Medicine of
Wake Forest College
Winston-Salem, North Carolina

Dear Mr. Parker:

Reference is made to our letter dated June 2, 1950, regarding expenditures that were questioned by the GAO in an Informal Inquiry No. A-425-C(1). At the time of modification of your contract the amount was not deducted, therefore the \$20.00 for the venetian blinds was still outstanding.

We have taken the liberty of deducting the \$20.00 from the voucher submitted to this office for advance payment provided in Article III, Section 2, of Modification No. 1 to your Contract No. At (40-1)-288.

If there are any questions regarding this matter, please feel free to call on us at any time.

Very truly yours,


John H. Roberson
Director of Research and Medicine

Roumanville:vh

3083
cc: Accts Payable
Audit Branch

288

OFFICE	KM	KM	KM			
SURNAME	Roumanville	Cooley				
DATE	8-4-50	8-4-50				

1112600

Memphis, Tennessee
June 2, 1950

Wake Forest College
The Woodard Gray School of Medicine
Winston-Salem 7, North Carolina

Attention: Harry O. Parker, Controller

Gentlemen:

Please refer to your letter of May 6, 1950, in which you furnished information concerning certain expenditures reimbursed to you under contract no. A-425-0(1)-200. These expenditures were questioned by the General Accounting Office in an Informal Inquiry, no. A-425-0(1), for the reason that they appear to fall in the category of overhead expenses which should not be included under the contract.

Except for item 3, the explanations which you have furnished in regard to the questioned expenditures have been reviewed and it is believed to be established that these are direct purchases and necessary to the performance of scientific work required by the contract. The amount of \$1,000.00, therefore, should be allowed under the contract.

The amount of \$2,000.00, however, is not allowable under the contract because it represents a purchase of a certain brand of material which is not specified in the contract. This amount should not be included in the contract.

In view of the above, you should allow only \$1,000.00 to be reimbursed for reimbursement.

Very truly yours,

Albert S. Allard, Jr., M.D.
Director of Research and Medicine

Director:kw

CC: Office of Research & Medicine

CONTRACTS *B. C. [unclear]*

1112501 0-2204

F. Rousseau Lanou, Director, Finance Division

May 18, 1950

Albert H. Holland, Jr., M.D., Director of Research and Medicine

GENERAL ACCOUNTING OFFICE INFORMAL INQUIRY A-425-C(1), BOWMAN GRAY SCHOOL OF MEDICINE, CONTRACT NO. AF-(40-1)-288

SYMBOL: RM:AMC

Reference is made to your memorandum of April 25, subject as above, and to the attached letter from Bowman Gray School of Medicine, explaining in detail the purpose of the items for which reimbursement was questioned in the Informal Inquiry.

All of the items with the exception of the venetian blinds, were solely for the prosecution of the scientific work under the contract. The decision to charge these items to the budget of the various projects is also in accordance with the established policy of the institution involved.

I believe that all items listed in the Informal Inquiry are properly reimbursable, under the terms of Contract AF-(40-1)-288, except Item 3, Window Trim for Venetian Blinds, in the amount of \$20.00.

AM
Albert H. Holland, Jr., M.D.

Encl.: *CFF*
Ltr., Bowman-Gray, 5/18/50

Corley:ec

CONTRACTS
Beckman
5-18-50
288

READ	<i>Res & Med</i>	<i>Res & Med</i>				
READ	<i>Corley</i>					
DATE	<i>5-18-50</i>	<i>5-18-50</i>				

1112602

R

Enclosure
R. 1144

Oak Ridge, Tennessee
July 2, 1950

Mr. Harry W. Parker, Controller
Wake Forest College
The Bowman Gray School of Medicine
Winston-Salem, North Carolina

Dear Mr. Parker:

We are enclosing a copy of an initial inquiry issued by the General Accounting Office relative to expenditures reimbursed to you under Contract No. AB-(40-1)-288.

The items listed in this inquiry appear to us, for the most part, to be of a normal nature fully furnished by your institution in accordance with the project.

We are dependent on your cooperation in furnishing us with the information requested in our distribution of these items to the GAO.

Sincerely yours,

Medical Advisor
Office of Research and Medicine

encl. CFF

cc/ GAO Audit Branch
Corley

CONTRACTS

CONTRACTS

OFFICE
SURNAME	Corley	JAR	M.A. Sheple			
DATE	7-5-50		5/3/50			

1112603

Office Memorandum • UNITED STATES GOVERNMENT

TO : Albert H. Holland, Jr., M.D., Director of Research and Medicine

FROM : F. Rousseau Lanou, Director of Finance

SUBJECT: GENERAL ACCOUNTING OFFICE INFORMAL INQUIRY A-425-C(1), BOWMAN GRAY SCHOOL OF MEDICINE, CONTRACT NO. AT-(40-1)-288

DATE: April 25, 1950

SYMBOL: FFA:JS

Attached are two copies of an inquiry issued by the General Accounting Office relative to expenditures reimbursed to Bowman Gray School of Medicine of Wake Forest College.

The questions raised by the General Accounting Office pertain to expenditures which are less than \$50.00 each. As you know, details of such expenditures are not required to support the vouchers and we, consequently, have no information regarding their reimbursability. Such a determination would be made as a part of our regular examination of the supporting records retained by the institution. We plan to schedule this examination after receipt of final voucher covering the period of the first year's operation, July 1, 1949 through June 30, 1950.

The questions in this inquiry appear to be well taken as the expenditures seem to cover, for the most part, items of overhead which the contractor agreed to furnish under the contract. Your cooperation in obtaining from the contractor justifying data or appropriate refunds will be appreciated.

One copy of the inquiry is for your records while the other may be released to the contractor.

In our memorandum to you of February 7, 1950, we called attention to certain other expenditures of this contractor claimed for reimbursement which do not appear to be reimbursable under the contract. We advised you that the items would be placed in suspense pending receipt of clarifying data. Information is desired as to the present status of these items.

F. Rousseau Lanou
for F. Rousseau Lanou

Attachment:
Cy Inf. Inq. A-425-C(1) (in dup)

Spector:gd

CONTRACTS

Brown
288

77-2879

COPY

GENERAL ACCOUNTING OFFICE
AUDIT DIVISION, FIELD AUDIT SECTION
OAK RIDGE, TENNESSEE

Informal Inquiry No. A-425-C(1)

Date: April 12, 1950

To: Gaylord T. Walker

, Certifying Officer

Disbursing Officer: Eugene A. Hudson
Payee: Bowman Gray School of Medicine
Contract No.: AT-(40-1)-288
Am't of Inquiry: \$162.89

D. O. Vou. No. 5004
Period of Acc't.: February 1950
Bu. Vou. No.: AB-853
Pt. Paym't No.:

(1) Check No. 23496, Cash and Charge Ticket No. PX 5937, 11/28/49 \$ 1.50
Toll charges for communicating with Navy contract administrator in connection with prior Navy contract are not reimbursable under the provisions of the contract.

(2) Check No.	Inv. Date	Inv. No.		
<u>22830</u>	<u>10/13/49</u>	-	Dr. Camillo Artom	27.00
23149	10/2/49	178102R	McGraw Hill Book Co., Inc.	12.69
23437	11/30/49	-	The Nutrition Foundation, Inc.	3.00
	Req. Date	Req. No.		
23043	<u>11/3/49</u>	<u>15142</u>	W. B. Saunders Company	3.00
23525	12/21/49	15443	Dr. Camillo Artom	29.00

The cost of publications and periodicals such as would ordinarily be available for reference in the library of an institution of this nature does not appear to be reimbursable under the provisions of the contract. Paragraph 2, a., (2), Appendices "A" to the contract.

(3) Check No.	Inv. Date	Inv. No.		
<u>22979</u>	<u>9/6/49</u>	<u>4163</u>	Venetian Blind Laundry and Service, Inc.	20.00

The cost of window trim (venetian blinds) is not reimbursable under the provisions of the contract. Paragraph 2, a., (2), Appendices "A" to the contract.

(4) Check No.	Inv. Date	Inv. No.		
<u>23139</u>	<u>10/17/49</u>	<u>13293</u>	Kelly Paper Co., Inc.	24.60
22773	9/14/49	-	Anderson Bros. Consolidated Company's, Inc.	27.60
23075	10/6/49	4681	Altro Work Shops, Inc.	14.50

(Note: Appropriate action should be taken within 60 days from above date to effect clearance of this inquiry in order to avoid issuance of formal exception, Form 1100. Reply in duplicate is requested.)

The cost of items usually furnished free to all employees (paper towels and laboratory coats) does not appear to be reimbursable under the provisions of the contract. Paragraph 2, a., (2), Appendices "A" to the contract.

/s/ F. E. Wilt

For Auditor in Charge

4-3: Dr. Holland
Mrs. A. M. Corley
Mrs. J. Nicholson

CO:RGH

Oak Ridge, Tennessee
June 27, 1950

The Bowman Gray School of Medicine
Wake Forest College
Winston-Salem 7, North Carolina

Subject: CONTRACT NO. AF-(49-1)-233 - (MODIFICATION NO. 1)

Gentlemen:

Enclosed, in four copies, is Modification No. 1 to the contract numbered as shown in the subject line above, which incorporates in a revision to Appendix "A" the program and budget for the year beginning July 1, 1950 and ending June 30, 1951.

Your attention is invited to the provisions of Article III, Sections 1 and 2. You will note that the contract has been converted from a cost type to a lump sum type for the entire period of the contract and the amount previously paid to you on cost vouchers is now stated to represent the initial payment of the lump sum consideration. The revised contract amount has taken into consideration the unexpended balance of funds, if any, previously obligated under the contract as reflected in the recent report submitted by you.

Your attention is also invited to the provisions of Article VI, wherein you are granted title to all property previously transferred to the Commission from the Navy. Also note that a new Section 12 has been added to Appendix "B" concerning fellowships.

This modification has been signed by the Commission's Contracting Officer and will become effective upon your acceptance. If the modification, as written, is satisfactory to you it is requested that the appropriate Project Leaders and the proper official of the College sign in the space provided on page 4 and return the original and two signed copies to this office. The unexpended copies may be retained for your use. It is extremely important this modification be signed by you prior to June 30, 1950.

Very truly yours,

(Signature)
Assistant to the Director
Oak Ridge Operations

Encl.:
Contract (in quad.)

CONTRACTS *Bairman* *Gandy* 1950

JUN 28 1950

1112607

10

THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA

INVOICE

INVOICE

ZONE 7

July 26, 1950

Contract No. AT-(40-1)-288
Title I

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June, 1950

I. Salaries:

Dr. Ernest Yount - Instructor, 3 months - part-time	\$ 450.00
Eloise Rhoades - Research Technician, 3 months - full time	573.00
Claude Taylor - Laboratory Assistant, 3 months - full time	520.00
Wilson Lamb - Electronic Engineer, Part time	90.00
Total Salaries	<u>\$1,633.00</u>

II. Materials & Supplies:

Chemicals & Glassware - items under \$50.00 each	277.29
Other items under \$50.00 each	738.18
Animals and Animal board	289.33
Total Materials and Supplies	<u>\$1,304.80</u>

III. Equipment:

8 cabinets and 1 sink cabinet, Walker Martin, Raleigh, N. C.	\$ 223.94
Total Equipment	<u>\$ 223.94</u>

IV. Miscellaneous:

Travel expense - Dr. Jerry Aikawa - Trip to San Francisco to work in Radiation Laboratory of University of California under Dr. Joseph Hamilton	
Railroad Fare	\$ 185.09
Maintenance for three days	15.00
Total Miscellaneous	<u>\$ 200.09</u>

Total expenditures this report	<u>\$3,361.83</u>
Less: Venetian Blinds Cost disallowed	20.00

Expenditures 7-1-49 to 3-31-50	<u>3,341.83</u>
	<u>7,620.74</u>

Total Expenditures to June 30, 1950	<u>\$10,962.57</u>
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I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local taxes are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution, that payrolls, procurement records, invoices and requisitions concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contractor)

[Signature]
Controller

1112509

CONTRACTS

Bowman Gray - 288

Principal Investigator

**THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA**

INVOICE

INVOICE

ZONE 7

July 26, 1950

Contract No. AT-(40-1)-288
Title I

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June, 1950

I. Salaries:

Dr. Ernest Yeast - Instructor, 3 months - part-time	\$ 450.00
Elaine Rhodes - Research Technician, 3 months - full time	573.00
Claude Taylor - Laboratory Assistant, 3 months - full time	520.00
Wilson Lamb - Electronic Engineer, Part time	99.00
Total Salaries:	<u>1,642.00</u>

II. Materials & Supplies:

Chemicals & Glassware - items under \$50.00 each	277.29
Other items under \$50.00 each	738.18
Animals and Animal board	289.33
Total Materials and Supplies	<u>1,304.80</u>

III. Equipment:

8 cabinets and 1 sink cabinet, Walker Martin, Raleigh, N. C.	\$ 223.94
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Total Equipment

\$ 223.94

IV. Miscellaneous:

Travel expense - Dr. Jerry Aikawa - Trip to San Francisco to work in Radiation Laboratory of University of California under Dr. Joseph Hamilton	
Railroad Fare	\$ 185.09
Maintenance for three days	15.00
Total Miscellaneous	<u>\$ 200.09</u>

Total expenditures this report

\$3,361.83

Less: Venetian Blinds Cost disallowed

20.00

Expenditures 7-1-49 to 3-31-50

3,341.83

7,620.74

Total Expenditures to June 30, 1950

\$10,962.57

RECEIVED	7/26/50
WAKE FOREST COLLEGE	820
INVOICE	
Y. L. GORDON, DIRECTOR	

I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local taxes are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution, that payrolls, procurement records, invoices and requisitions concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contract)

By: *[Signature]*
Controller

By: _____
Principal Investigator

1112610

THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA

INVOICE

INVOICE

ZONE 7

July 26, 1950

Contract No. AT-(40-1)-288
Title I

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June, 1950

I. Salaries:

Mr. Ernest Lount - Instructor, 3 months - part-time	\$ 450.00
Elaine Rhodes - Research Technician, 3 months - full time	573.00
Claude Taylor - Laboratory Assistant, 3 months - full time	520.00
Wilson Lamb - Electronics Engineer, Part time	90.00
Total Salaries	<u>1633.00</u>

II. Materials & Supplies:

Chemicals & Glassware - items under \$50.00 each	271.89
Other items under \$50.00 each	738.18
Animals and Animal board	288.33
Total Materials and Supplies	<u>1298.40</u>

III. Equipment:

8 cabinets and 1 sink cabinet, Walker Martin, Raleigh, N. C.	\$ 223.94
Total Equipment	<u>\$ 223.94</u>

IV. Miscellaneous:

Travel expense - Dr. Jerry Aikawa - Trip to San Francisco to work in Radiation Laboratory of University of California under Dr. Joseph Hamilton	\$ 185.09
Railroad Fare	15.00
Maintenance for three days	
Total Miscellaneous	<u>\$ 200.09</u>

Total expenditures this report	\$3,361.83
Less: Venetian Blinds Cost disallowed	20.00
Expenditures 7-1-49 to 3-31-50	<u>3,341.83</u>
	7,620.74

Total Expenditures to June 30, 1950	<u>\$10,962.57</u>
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I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local taxes are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution; that payroll, procurement records, invoices and requisitions concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contract No. AT-(40-1)-288)

Controller

Principal Investigator

1112611

THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA

INVOICE

INVOICE

ZONE 7

July 26, 1950

Contract No. AT-(40-1)-238
Title I

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June, 1950

I. Salaries:

Dr. Ernest Yount - Instructor, 3 months - part-time	\$ 450.00
Eloise Rhodes - Research Technician, 3 months - full time	573.00
Claude Taylor - Laboratory Assistant, 3 months - full time	580.00
Wilson Lamb - Electronic Engineer, Part time	90.00
Total Salaries	\$1,693.00

II. Materials & Supplies:

Chemicals & Glassware - items under \$50.00 each	277.29
Other items under \$50.00 each	736.18
Animals and Animal board	289.33
Total Materials and Supplies	\$1,302.80

III. Equipments:

8 cabinets and 1 sink cabinet, Walker Martin, Raleigh, N. C.	\$ 223.94
Total Equipment	\$ 223.94

IV. Miscellaneous:

Travel expense - Dr. Jerry Aikawa - Trip to San Francisco to work in Radiation Laboratory of University of California under Dr. Joseph Hamilton	\$ 185.09
Railroad Fare	15.00
Maintenance for three days	
Total Miscellaneous	\$ 200.09

Total expenditures this report	\$3,361.83
Less: Venetian Blinds Cost disallowed	20.00
Expenditures 7-1-49 to 3-31-50	3,341.83
Total Expenditures to June 30, 1950	\$7,620.74
	\$10,962.57

I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local taxes are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution, that payrolls, procurement records, invoices and requisitions concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contractor)

[Signature]
Controller

Principal Investigator

1112612

**THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA**

INVOICE

INVOICE

ZONE 7

July 26, 1950

Contract No. AT-(40-1)-238
Title I

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June, 1950

I. <u>Salaries:</u>		
Dr. Ernest Young - Instructor, 3 months - part-time		\$ 1,000.00
Kloise Rhodes - Research Technician, 3 months - full time		575.00
Claude Taylor - Laboratory Assistant, 3 months - full time		270.00
Wilson Lamb - Electronics Engineer, Part time		200.00
Total Salaries		<u>\$ 2,045.00</u>
II. <u>Materials & Supplies:</u>		
Chemicals & Glassware - items under \$50.00 each		277.09
Other items under \$50.00 each		738.38
Animals and Animal Board		200.00
Total Materials and Supplies		<u>\$ 1,215.47</u>
III. <u>Equipment:</u>		
8 cabinets and 1 sink cabinet, Walker Martin, Raleigh, N. C.		\$ 223.94
Total Equipment		<u>\$ 223.94</u>
IV. <u>Miscellaneous:</u>		
Travel expense - Dr. Jerry Aikawa - Trip to San Francisco to work in Radiation Laboratory of University of California under Dr. Joseph Hamilton		\$ 185.09
Railroad Fare		15.00
Maintenance for three days		200.09
Total Miscellaneous		<u>\$ 400.18</u>
Total expenditures this report		<u>\$3,361.83</u>
Less: Venetian Blinds Cost disallowed		<u>20.00</u>
Expenditures 7-1-49 to 3-31-50		<u>3,361.83</u>
Total Expenditures to June 30, 1950		<u>\$7,620.74</u>
		<u>\$10,962.57</u>

I certify that the above bill is correct and just; that payment therefor has not been made; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions herein have been complied with; and that State or local taxes are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services including part-time work, determined from a distribution of wages for the period claimed to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution, that payroll, procurement records, invoices and requisitions concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE

By _____

By _____

1112613

XO

**THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA
ZONE 7**

INVOICE

INVOICE

July 26, 1950

Contract No. AT-(40-1)-288
Title II

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June, 1950

I. Salaries:

Howard Wainer - Technician, 3 months - full time	\$300.00
Charlotte Terhune - Technician, 1 month - part time	95.00
Jay Giles - Research Assistant, 1 month - part time	90.00
Heyward Smith - Technician, 5 months - part time (Charged to Title III on previous reports)	180.00

Total Salaries

\$665.00

II. Materials & Supplies:

Chemicals and Glassware - items under \$50.00 each	\$569.06
Other items under \$50.00 each	889.10
1 Mc. Carbon 14 Sodium Formate	135.00
1 Mc. Carbon 14 Formaldehyde	260.00
Oak Ridge National Laboratory Oak Ridge, Tennessee	
Expenses in connection with preparation of Carbon 14 - labeled Choline Chloride - by Arthur Roe	194.75
Chemistry Department, University of North Carolina, Chapel Hill, N. C.	
1 tank of Q-Gas	55.99
Nuclear Instrument & Chemical Corporation Chicago 10, Illinois	

Total Materials & Supplies

\$2,103.90

III. Equipment:

1 Sodium Vapor Lamp	86.42
1 Nitrogen Distillation Apparatus & Support Fisher Scientific Company Pittsburgh, Pennsylvania	85.15
1 Pipette Washer Arthur H. Thomas Company Philadelphia, Pennsylvania	65.15
1 Automatic Time Recorder J. P. Nichols, Distributor, Greensboro, N. C.	123.04

I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local taxes are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution, that payrolls, procurement records, invoices and requisitions concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contractor)

By _____
Controller

By _____
Principal Investigator

1112614

THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE

WINSTON-SALEM, NORTH CAROLINA

INVOICE

INVOICE

ZONE 7

July 26, 1950

Contract No. AT-(40-1)-288
Title II

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Equipment (Continued)

Beckman Spectrophotometer	\$1,050.00
Ultraviolet Accessory Set	300.00
Total Equipment	<u>\$1,709.76</u>

IV. Miscellaneous:

Travel Expense - Dr. Camille Arton - Federation of American Societies for Experimental Biology, April 17-21-1950	
Railroad Fare	58.85
Hotel	24.66
Meals	18.50
Taxi	3.55
Tips, Registration, Misc.	7.70
Total Miscellaneous	<u>\$ 112.66</u>

Total Expenditures this report	\$4,591.32
Expenditures 7-1-49 to 3-31-50	<u>4,539.94</u>

Total Expenditures to June 30, 1950	<u>\$9,131.26</u>
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I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards and all conditions of purchase applicable to the transactions have been complied with; and that State or local taxes are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving expenses were determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution, that payrolls, procurement records, invoices and requisitions concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contract)

By *[Signature]*
Controller

By _____
Principal Investigator

1112615

THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA

INVOICE

INVOICE

ZONE 7

July 26, 1950

Contract No. AT-(40-1)-288
Title II

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June, 1950

I. Salaries:

Howard Weiner - Technician, 3 months - full time	\$300.00
Charlotte Terhune - Technician, 1 month - part time	95.00
Jay Giles - Research Assistant, 1 month - part time	90.00
Rayward Smith - Technician, 3 months - part time	180.00
(Charged to Title III of previous reports)	

Total Salaries

\$665.00

II. Materials & Supplies:

Chemicals and Glassware - items under \$50.00 each	\$569.06
Other items under \$50.00 each	89.30
1 Mc. Carbon 1/4 Sodium Formate	135.00
1 Mc. Carbon 1/4 Formaldehyde	260.00
Oak Ridge National Laboratory Oak Ridge, Tennessee	
Expenses in connection with preparation of Carbon 14 - labeled Choline Chloride - by Arthur Roe	194.75
Chemistry Department, University of North Carolina, Chapel Hill, N. C.	
1 tank of Q-Gas	55.99
Nuclear Instrument & Chemical Corporation Chicago 10, Illinois	

Total Materials & Supplies

\$2,103.90

III. Equipment:

1 Sodium Vapor Lamp	86.42
1 Nitrogen Distillation Apparatus & Support	85.15
Fisher Scientific Company Pittsburgh, Pennsylvania	
1 Pipette Washer	65.15
Arthur H. Thomas Company Philadelphia, Pennsylvania	
1 Automatic Time Recorder	123.04
J. P. Nichols, Distributor, Greensboro, N. C.	

I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local taxes are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution, that payrolls, procurement records, invoices and requisitions concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contractor)

By

Controller

By

Principal Investigator

1112616

THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA

INVOICE

INVOICE

ZONE 7

July 26, 1950

Contract No. AT-(40-1)-288
Title II

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Equipment (Continued)
Beckman Spectrophotometer
Ultraviolet Accessory Set
Total Equipment

\$1,050.00
300.00
\$1,350.00

IV. Miscellaneous:

Travel Expense - Dr. Camille Arton - Federation of
American Societies for Experimental
Biology, April 17-21-1950

Railroad Fare

58.25

Hotel

24.66

Meals

18.50

Taxi

3.55

Tips, Registration, Misc.

7.70

Total Miscellaneous

\$ 112.66

Total Expenditures this report
Expenditures 7-1-49 to 3-31-50

\$4,521.32
4,539.94

Total Expenditures to June 30, 1950

\$9,131.26

I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local taxes are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution, that payrolls, procurement records, invoices and requisitions concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contract)

By

By

1112617

THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA

INVOICE

INVOICE

ZONE 7

July 26, 1950

Contract No. AT-(40-1)-288
Title II

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June, 1950

I. Salaries:

Howard Wainer - Technician, 3 months - full time	\$300.00
Charlotte Turbans - Technician, 1 month - part time	95.00
Jay Giles - Research Assistant, 1 month - part time	90.00
Howard Smith - Technician, 5 months - part time (charged to Title III on previous reports)	180.00
Total Salaries	<u>\$665.00</u>

II. Materials & Supplies:

Chemicals and Apparatus - items under \$50.00 each	\$569.06
Other items under \$50.00 each	889.28
1 Mc. Carbon 14 Sodium Formate	135.00
1 Mc. Carbon 14 Formaldehyde	260.00
Oak Ridge National Laboratory Oak Ridge, Tennessee	
Expenses in connection with preparation of Carbon 14 - labeled Choline Chloride - by Arthur Roe Chemistry Department, University of North Carolina, Chapel Hill, N. C.	194.75
1 tank of S-Gas Nuclear Instrument & Chemical Corporation Chicago 10, Illinois	55.99
Total Materials & Supplies	<u>\$2,103.90</u>

III. Equipment:

1 Sodium Vapor Lamp	86.42
1 Nitrogen Distillation Apparatus & Support Fisher Scientific Company Pittsburgh, Pennsylvania	85.15
1 Pipette Washer Arthur H. Thomas Company Philadelphia, Pennsylvania	65.15
1 Automatic Time Recorder J. P. Nichols, Distributor, Greensboro, N. C.	123.04

I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local taxes are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of those amounts have been made to all employees whose wages are included in the distribution, that payrolls, procurement records, invoices and requisitions concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contractor)

By _____
Controller

By _____
Principal Investigator

1112618

THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA

INVOICE

INVOICE

ZONE 7

July 26, 1950

Contract No. AT-(40-1)-288
Title II

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Equipment (Continued)
Beckman Spectrophotometer
Ultraviolet Assembly Set
Total Equipment

\$1,050.00
100.00
\$1,150.00

IV. Miscellaneous

Travel Expense - Dr. Guille Arton - Federation of
American Societies for Experimental
Biology, April 17-21-1950
Railroad Fare
Hotel
Meals
Taxi
Tps, Registration, Misc.

58.25
24.66
18.50
3.55
7.70

Total Miscellaneous

\$ 112.66

Total Expenditures this report
Expenditures 7-1-49 to 3-31-50

\$4,591.32
4,537.96

Total Expenditures to June 30, 1950

\$9,131.26

I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local taxes have not been included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution, that payrolls, procurement records, invoices and requisitions concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contractor)

By

Controller

By

Principal Investigator

1112619

**THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA**

INVOICE

INVOICE

ZONE 7

July 26, 1950

Contract No. AT-(40-1)-288
Title II

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June, 1950

I. Salaries:

Howard Wainer - Technician, 3 months - full time	\$300.00
Charlotte Strickland - Technician, 1 month - part time	95.00
Jay Gillen - Research Assistant, 1 month - part time	90.00
Raymond [unclear] - Technician, 3 months - part time	180.00
(Charged to previous bill on previous report)	
Total Salaries	<u>\$665.00</u>

II. Materials & Supplies:

Chemicals and Glassware - Total value \$30.00 each	\$669.06
Other items under \$50.00 each	889.10
1 Mc. Carbon 14 Sodium Formate	135.00
1 Mc. Carbon 14 Formaldehyde	260.00
Oak Ridge National Laboratory Oak Ridge, Tennessee	
Expenses in connection with preparation of Carbon 14 - labeled Choline Chloride - by Arthur Ree	194.75
Chemistry Department, University of North Carolina, Chapel Hill, N. C.	
1 tank of R-Gas	55.99
Nuclear Instrument & Chemical Corporation Chicago 10, Illinois	
Total Materials & Supplies	<u>\$2,103.90</u>

III. Equipments:

1 Sodium Vapor Lamp	86.42
1 Nitrogen Distillation Apparatus & Support	85.15
Fisher Scientific Company Pittsburgh, Pennsylvania	
1 Finesse Washer	65.35
Arthur H. Thomas Company Philadelphia, Pennsylvania	
1 Automatic Time Recorder	123.04
J. P. Nichols, Distributor, Greensboro, N. C.	

I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions herein have been complied with; and that none of these items are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution, that payrolls, procurement records, invoices and requisitions concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contractor)

By _____
Contractor

By _____
Principal Investigator

1112620

THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA

INVOICE

INVOICE

ZONE 7

July 26, 1950

Contract No. AT-(40-1)-288
Title II

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Equipment (Continued)

Beckman Spectrophotometer
Ultraviolet Accessory Set

\$1,050.00

Total Equipment

IV. Miscellaneous

Travel Expense - Dr. Camille Arton - Federation of
American Societies for Experimental
Biology, April 17-21-1950

Railroad Fare

58.25

Hotel

24.66

Meals

18.50

Taxi

3.55

Tips, Registration, Misc.

7.70

\$ 112.66

Total Miscellaneous

Total Expenditures this report
Expenditures 7-1-49 to 3-31-50

\$4,591.32
4,539.94

Total Expenditures to June 30, 1950

\$9,131.26

I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local taxes are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which encumbrances are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution, that payrolls, procurement records, invoices and requisitions concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE

By

1112621

**THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE**

INVOICE

WINSTON-SALEM, NORTH CAROLINA

INVOICE

ZONE 7

July 26, 1950

Contract No. AT-(40-1)-288
Title II

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June, 1950

I. Salaries:

Edith Walker - Bookkeeper, 3 months - full time	150.00
Charlotte Fortson - Technician, 1 month - part time	55.00
Joy Giles - Research Assistant, 1 month - part time	25.00
Raymond Smith - Bookkeeper, 5 months - part time	100.00
Charged to Title II in previous reports	100.00
Total Salaries	430.00

II. Materials & Supplies:

Chemicals and Glassware - items under \$20.00 each	8569.06
Other items under \$20.00 each	800.00
1 Mc. Carbon 14 Sodium Formate	135.00
1 Ms. Carbon 14 Formaldehyde	260.00
Oak Ridge National Laboratory Oak Ridge, Tennessee	
Expenses in connection with preparation of Carbon 14 - labeled Choline Chloride - by Arthur Bee	194.75
Chemistry Department, University of North Carolina, Chapel Hill, N. C.	
1 tank of B-Gas	55.99
Nuclear Instrument & Chemical Corporation Chicago 10, Illinois	
Total Materials & Supplies	12,109.90

III. Equipment:

1 Sodium Vapor Lamp	16.42
1 Nitrogen Distillation Apparatus & Support	5.15
Fisher Scientific Company Pittsburgh, Pennsylvania	
1 Pipette Washer	65.15
Arthur E. Thomas Company Pittsburgh, Pennsylvania	
1 Automatic Time Recorder	110.00
J. P. Nichols, Distributor, Greensboro, N. C.	

I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American products, labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local taxes are not due on the amounts claimed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution; that payrolls, procurement records, invoices and regulations concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contractor)

Contractor

Principal Investigator

1112622

THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA

INVOICE

INVOICE

ZONE 7

July 26, 1950

Contract No. AT-(40-1)-288
Title II

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Equipment (Continued)
Beckman Spectrophotometer
Ultraviolet Accessory Set
Total Equipment

\$1,650.00
100.00
\$1,750.00

IV. Miscellaneous:

Travel Expense - Dr. Camille Arton - Federation of
American Societies for Experimental
Biology, April 17-21-1950
Railroad Fare
Hotel
Meals
Taxi
Tips, Registration, Misc.

58.25
24.66
18.50
3.55
2.70
\$112.66

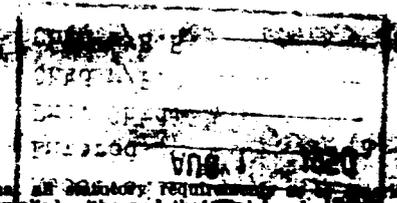
Total Miscellaneous

Total Expenditures this report
Expenditures 7-1-49 to 3-31-50

\$4,591.32
4,539.94

Total Expenditures to June 30, 1950

\$9,131.26



I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to minimum pro-
duction and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local laws are not
included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the perform-
ance of the work under the contract referred to on this voucher and that payments have been made, of all amounts for which reimbursements are hereby
claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of the contract, the period indicated to
be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of
these amounts have been made to all employees whose wages are included in the distribution, that payrolls, procurement records, invoices and requisitions
concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that
no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations
are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the
period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE

By *[Signature]*
Controller

By _____
Principal Investigator

1112623

NO

**THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA**

INVOICE

INVOICE

ZONE 7

July 26, 1950

Contract No. AT-(40-1)-288
Title III

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June, 1950.

I. Salaries:

Dr. W. E. Cornatzer - Technician, 3 months - part time
from January 1 - March 31, 1950

\$ 495.00

Less: Salary of Heyward Smith chargeable under Title I,
Appendix A, but erroneously charged to Title III.

(90.00)

Total Salaries

\$ 405.00

II. Materials & Supplies:

Chemicals and Glassware - items under \$50.00

166.53

Other items under \$50.00 each

260.27

Animals

44.40

Total Materials & Supplies

\$ 471.20

Total expenditures this report

876.20

Expenditures 7-1-49 to 3-31-50

2,116.84

Total expenditures to June 30, 1950

\$2,993.04

I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local taxes are included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments made hereon were made in accordance with the terms of the contract; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated, to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution, that payrolls, procurement records, invoices and receipts concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; and no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE

1112624

Harry C. ...

THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA

INVOICE

INVOICE

ZONE 7

July 26, 1950

Contract No. AT-(40-1)-288
Title III

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June, 1950.

I. Salaries:

Dr. W. E. Cornatzer - Technician, 3 months - part time
from January 1 - March 31, 1950

\$ 495.00

Less: Salary of Heyward Smith chargeable under Title I,
Appendix A, but erroneously charged to Title III.

(90.00)

Total Salaries

\$ 405.00

II. Materials & Supplies:

Chemicals and Glassware - items under \$50.00

166.53

Other items under \$50.00 each

260.27

Animals

44.40

Total Materials & Supplies

\$ 471.20

Total expenditures this report

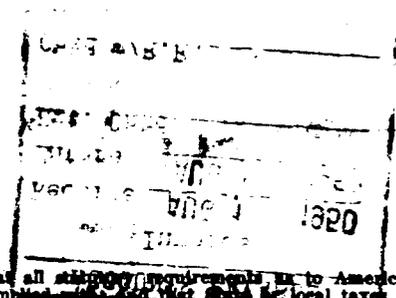
976.20

Expenditures 7-1-49 to 3-31-50

2,116.84

Total expenditures to June 30, 1950

\$2,993.04



I certify that the above bill is correct and just; that payment therefor has not been received; that all applicable provisions of the Atomic Energy Act of 1946 and the Atomic Energy Control Act of 1947 are complied with; that the work was done in accordance with the contract and that the local taxes are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution, that payrolls, procurement records, invoices and requisitions concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contractor)

By *[Signature]*
Controller

By _____
Principal Investigator

1112625

THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA

INVOICE

INVOICE

ZONE 7

July 26, 1950

Contract No. AT-(40-1)-288
Title III

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June, 1950.

I. Salaries:

Dr. W. E. Cornatser - Technician, 3 months - part time
from January 1 - March 31, 1950

\$ 495.00

Less: Salary of Hayward Smith chargeable under Title I,
Appendix A, but erroneously charged to Title III.

(90.00)

Total Salaries

\$ 405.00

II. Materials & Supplies:

Chemicals and Glassware - items under \$50.00

166.53

Other items under \$50.00 each

250.27

Animals

44.40

Total Materials & Supplies

\$ 471.20

Total expenditures this report

876.20

Expenditures 7-1-49 to 3-31-50

2,116.84

Total expenditures to June 30, 1950

\$2,993.04

I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local taxes are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution, that payrolls, procurement records, invoices and requisitions concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contractor)

By

1112626

Controller

THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA

INVOICE

INVOICE

ZONE 7

July 26, 1950

Contract No. AT-(40-1)-288
Title III

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June, 1950.

I. Salaries

Dr. W. E. Cornsizer - Technician, 3 months - part time
from January 2 - March 31, 1950

\$ 495.00

Less: Salary of Raymond Smith chargeable under Title I,
Appendix A, but erroneously charged to Title III.

(90.00)

Total Salaries

\$ 405.00

II. Materials & Supplies

Chemicals and Glassware - items under \$50.00

166.53

Other items under \$50.00 each

260.27

Animals

44.40

Total Materials & Supplies

\$ 471.20

Total expenditures this report

876.20

Expenditures 7-1-49 to 3-31-50

2,116.84

Total expenditures to June 30, 1950

\$2,993.04

I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local taxes are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution, that payrolls, procurement records, invoices and requisitions concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contract)

Controller

1112627

Principal Investigator

THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA

INVOICE

INVOICE

ZONE 7

July 26, 1950

Contract No. AT-(40-1)-288
Title III

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June 1950.

I. Salaries:

Mr. E. E. Gornitzer - Technician, 3 months - part time
from January 2 to March 12, 1950

\$ 495.00

Less: Salary of Heyward Smith chargeable under Title I,
Appendix A, but erroneously charged to Title III.

(90.00)

Total Salaries

\$ 405.00

II. Materials & Supplies:

Chemicals and Glassware - items under \$50.00

166.53

Other items under \$50.00 each

260.27

Animals

44.40

Total Materials & Supplies

\$ 471.20

Total expenditures this report

876.20

Expenditures 7-1-49 to 3-31-50

2,116.84

Total expenditures to June 30, 1950

\$ 3,993.84

I certify that the above bill is correct and that the amounts stated have not been received; that all receipts, vouchers, and labor standards, and all contracts, purchases, and other transactions have been complied with, and that none of these items are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher, and that payments have been made of all amounts for which reimbursements are hereby requested. The amounts claimed for personal services involving part-time work, derived from a distribution of wages for the period indicated, are directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution, that payrolls, procurement records, invoices and requisitions concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contractor)

1112528

By

Atomic Energy Commission
OFFICE OF OAK RIDGE OPERATIONS
Funds Ledger Section
CONTRACTUAL OBLIGATION NOTICE

No. FF 50-77
Date June 26, 1950

TO: Dr. Albert H. Holland, Jr., Director of Research & Medicine
FROM: D. C. Bogart, Jr., Chief, General Accounts Branch
SUBJECT: NEW CONTRACTUAL OBLIGATION NOTICE

Contract No.: AT-(40-1)-288
Contractor: The Bowman Gray School of Medicine of Wake Forest College
Change No.: Mod. #. 1
Date: ---
Division or Office: Research & Medicine (Wash. Suballotment)
Type of Contract: Research, L. S.

Detailed description of work or reason for change:
To obligate additional funds in accordance with Mod. # 1.
Term of contract extended thru June 30, 1951.

OBLIGATION SUMMARY TO DATE						
Approp.	Sub-allot.	Pro-gram	Obj.	Previous	Change	Total to Date
8900100.001	931/R-14	6000	07	15,859.50	0.00	15,859.50
"	0132/RM	6000	07	9,140.50	0.00	9,140.50
"	060-00-01-215	6000	07	0.00	28,748.00	28,748.00
TOTAL OBLIGATIONS TO DATE - - -				\$ 25,000.00	\$ 28,748.00	\$ 53,748.00

K. H. E. **CONTRACTS** *Bogart*
D. C. Bogart, Jr.
Chief, General Accounts Branch
Division of Finance *288*

Office Memorandum • UNITED STATES GOVERNMENT

TO : Albert H. Holland, Jr., M.D., Director of Research and Medicine DATE: June 23, 1950

FROM : F. Rousseau Lanou, Director of Finance

SUBJECT: STATUS OF GAO INFORMAL INQUIRIES AND NOTICES OF EXCEPTIONS, OFFICE OF RESEARCH AND MEDICINE, AS OF JUNE 15, 1950

SYMBOL: FA:LPF

We attach for your information a copy of a statement reflecting the status of GAO informal inquiries and notices of exceptions pertaining to contracts administered by the Office of Research and Medicine; namely, Bowman Gray School of Medicine and Meharry Medical College.

This report is as of June 15, 1950, and supersedes the quarterly report as of March 15, 1950.

F. Rousseau Lanou

Enclosure:
As stated above

Fry:gbh

CONTRACTS *Bellman*
Gray
288
77-4975

THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA

INVOICE

INVOICE

July 26, 1950

Contract No. AT-(40-1)-288
Title II

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June, 1950

I. Salaries:	
Edward Weiner - Technician, 3 months - full time	\$300.00
Charlotte Perkins - Technician, 1 month - part time	95.00
Jay Giles - Research Assistant, 1 month - part time	90.00
Rayward Smith - Technician, 5 months - part time (Charged to Title III on previous reports)	180.00
Total Salaries	<u>665.00</u>
II. Materials & Supplies:	
Chemicals and Glassware - items under \$50.00 each	\$569.06
Other items under \$50.00 each	89.10
1 lb. Carbon 1k Sodium Permanganate	135.00
1 lb. Carbon 1k Formaldehyde	260.00
Oak Ridge National Laboratory Oak Ridge, Tennessee	
Expenses in connection with preparation of Carbon 1k - labeled Oxaline Chloride - by Arthur Bee Chemistry Department, University of North Carolina, Capel Hill, N. C.	194.75
1 tank of B-606 Nuclear Instrument & Chemical Corporation Chicago 20, Illinois	55.99
Total Materials & Supplies	<u>1,203.90</u>
III. Equipment:	
1 Sodium Vapor Lamp	66.42
1 Nitrogen Distillation Apparatus - Support Fisher Scientific Company Pittsburgh, Pennsylvania	35.15
1 Pipette Washer Arthur H. Thomas Company Philadelphia, Pennsylvania	55.25
1 Automatic Time Recorder J. W. Nichols, Distributor, Greensboro, N. C.	123.04

I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local taxes are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed herein were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the schedule and totals of charges for which no itemizations or evidential substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contractor)

By _____
Controller

By _____
Principal Investigator

1112631

THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA

INVOICE

INVOICE

July 26, 1950

Contract No. AT-(10-1)-288
Title II

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Equipment (Continued)	
Beckman Spectrophotometer	\$1,050.00
Ultraviolet Accessory Set	300.00
Total Equipment	<u>\$1,750.78</u>

IV. Miscellaneous:

Travel Expense - Dr. Camille Arden - Federation of American Societies for Experimental Biology, April 17-21-1950	
Railroad Fare	58.25
Hotel	24.66
Meals	18.50
Taxi	3.55
Tips, Registration, Misc.	7.70
Total Miscellaneous	<u>\$112.66</u>

Total Expenditures this report	<u>\$4,591.34</u>
Expenditures 7-1-49 to 3-31-50	<u>4,559.74</u>

Total Expenditures to June 30, 1950	<u>\$9,131.26</u>
--	--------------------------

I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that items or lots are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc. listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts due which expenditures are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of work for the period indicated, are directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution; that payroll, procurement records, invoices and requisitions on individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contractor)

By: *[Signature]*
Controller

By: _____
Principal Investigator

1112632

70

**THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE**
WINSTON-SALEM, NORTH CAROLINA

INVOICE

INVOICE

July 26, 1950

Contract No. AT-(10-1)-288
Title III

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June, 1950.

I. Salaries:

Dr. W. E. Cornatzer - Technician, 3 months - part time
from January 1 - March 31, 1950 \$ 495.00

Less: Salary of Heyward Smith chargeable under Title I,
Appendix A, but erroneously charged to Title III. (90.00)

Total Salaries \$ 405.00

II. Materials & Supplies:

Chemicals and Glassware - items under \$50.00 166.53

Other items under \$50.00 each 260.27

Animals 44.40

Total Materials & Supplies \$ 471.20

Total expenditures this report 876.20

Expenditures 7-1-49 to 3-31-50 2,116.84

Total expenditures to June 30, 1950 \$2,992.04

I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards and all conditions of purchase applicable to the transactions have been complied with; and that State or local taxes are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution; that payroll, procurement records, invoices and regulations concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing 10¢ or more have been included in the subtotals and totals of charges for which no terminations or exhibitors' contributions are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Cooperator)

By: *[Signature]*
Controller

By: *[Signature]*
Principal Investigator

1112633

THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE

INVOICE

WINSTON-SALEM, NORTH CAROLINA

INVOICE

FORM 7

July 26, 1950

Contract No. AT-(40-1)-288
Title III

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June, 1950.

I. Salaries

Dr. W. E. Corntner - Technician, 3 months - part time
from January 1 - March 31, 1950

\$ 195.00

Less: Salary of Raymond Smith chargeable under Title I,
Appendix A, but erroneously charged to Title III.

(20.00)
175.00

Total Salaries

II. Materials & Supplies

Chemicals and Disinfectants - items under \$50.00

166.53

Other items under \$50.00 each

260.27

Animals

14.10

Total Materials & Supplies

440.90

Total expenditures this report

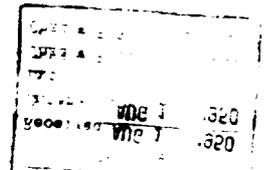
876.20

Expenditures 7-1-49 to 3-31-50

2,116.84

Total expenditures to June 30, 1950

\$2,993.04



I certify that the above bill is correct and just; that payment therefor has not been received; that all delivery requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State & local taxes are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution; that payroll, procurement records, invoices and requisitions concerned with the contract for at least four years, subject to inspection upon request by authorized representatives of the United States Government, and no individual items costing \$10 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contractor)

By _____
Controller

By _____
Principal Investigator

1112634

THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA

INVOICE

INVOICE

FORM 7

July 26, 1950

Contract No. AT-(10-1)-288
Title III

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June, 1950.

I. Salaries:

Dr. V. E. Cornsator - Technician, 3 months - part time
from January 1 - March 31, 1950

\$ 105.00

Less: Salary of Hayward Smith chargeable under Title I,
Appendix A, but erroneously charged to Title III.

(90.00)

Total Salaries

\$ 15.00

II. Materials & Supplies:

Chemicals and Glassware - items under \$50.00

166.53

Other items under \$50.00 each

260.27

Animals

44.30

Total Materials & Supplies

\$ 471.10

Total expenditures this report

576.20

Expenditures 7-1-49 to 3-31-50

2,116.84

Total expenditures to June 30, 1950

\$ 2,692.04

I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local taxes are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution; that payroll, procurement records, invoices and requisitions concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contractor)

By: *[Signature]*
(Controller)

By: _____
Principal Investigator

111 2635

THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE

INVOICE

WINSTON-SALEM, NORTH CAROLINA

INVOICE

July 26, 1950

Contract No. AT-(40-1)-288
Title III

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June, 1950.

I. Salaries:

Mr. W. E. Cornstear - Technician, 3 months - part time
from January 1 - March 31, 1950

\$ 495.00

Less: Salary of Raymond Smith chargeable under Title I,
Appendix A, but erroneously charged to Title III.

(90.00)

Total Salaries

\$ 405.00

II. Materials & Supplies:

Chemicals and Glassware - items under \$50.00

166.53

Other items under \$50.00 each

260.27

Animals

44.10

Total Materials & Supplies

\$ 470.90

Total expenditures this report

\$76.90

Expenditures 7-1-49 to 1-31-50

\$ 136.84

Total expenditures to June 30, 1950

\$2,171.54

I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local taxes are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed hereon were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving part-time work, determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution; that payroll, purchase records, invoices, and requisitions concerned will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual items costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or essential substantiation are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contractor)

By _____
Controller

By _____
Principal Investigator

111263b

THE BOWMAN GRAY SCHOOL OF MEDICINE
OF WAKE FOREST COLLEGE
WINSTON-SALEM, NORTH CAROLINA

INVOICE

INVOICE

July 26, 1950

Contract No. AT-(40-1)-288
Title III

Atomic Energy Commission
Oak Ridge Operations
Oak Ridge, Tennessee

Expenditures for April, May and June, 1950.

I. Salaries:

Mr. W. E. Cornatzer - Technician, 3 months - part time
from January 1 - March 31, 1950 \$ 495.00

Less: Salary of Hayward Smith chargeable under Title I,
Appendix A, but erroneously charged to Title III. (90.00)

Total Salaries \$ 405.00

II. Materials & Supplies:

Chemicals and Glassware - items under \$50.00 166.53
Other items under \$50.00 each 260.27
Animals 44.40

Total Materials & Supplies \$ 471.20

Total expenditures this report 876.20
Expenditures 7-1-49 to 3-31-50 2,116.84
Total expenditures to June 30, 1950 \$2,993.04

I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards and all conditions of purchase applicable to the transactions have been complied with; and that State or local taxes are not included in the amounts billed.

I further certify that the personal services and the supplies, equipment, materials, etc., listed herein were required by and were used in the performance of the work under the contract referred to on this voucher and that payments have been made of all amounts for which reimbursements are hereby claimed; that the amounts claimed for personal services involving part-time work determined from a distribution of wages for the period indicated to be directly chargeable to the United States under the provisions of the contract referred to on this voucher, are true and correct and that payments of these amounts have been made to all employees whose wages are included in the distribution; that payroll procurement records, invoices and requisitions concerning will be kept for at least four years, subject to inspection upon request by authorized representatives of the United States Government; that no individual item costing \$50 or more have been included in the subtotals and totals of charges for which no itemizations or evidentiary substantiations are furnished; and that the research provided for in said contract has been conducted in accordance with the terms thereof during that part of the period specified therein to which the costs stated in this voucher are applicable.

THE BOWMAN GRAY SCHOOL OF MEDICINE OF
WAKE FOREST COLLEGE (Contractor)

By: *[Signature]* Controller

By: *[Signature]* Principal Investigator

1112637

Atomic Energy Commission
 OFFICE OF OAK RIDGE OPERATIONS
 Funds Ledger Section
CONTRACTUAL OBLIGATION NOTICE

No. FF 50-77
 Date June 26, 1950

TO: Dr. Albert H. Holland, Jr., Director of Research & Medicine
 FROM: D. C. Bogart, Jr., Chief, General Accounts Branch
 SUBJECT: NEW CONTRACTUAL OBLIGATION NOTICE

Contract No.: AT-(10-3)-288
 Contractors: The Bowman Gray School of Medicine of Wake Forest College
 Change No.: Mod. # 1
 Date: -----
 Division or Office: Research & Medicine (Sub. Suballotment)
 Type of Contract: Research, I. A.

Detailed description of work or reason for change:
To allocate additional funds in accordance with MOD. # 1.
Term of contract extended thru June 30, 1951.

OBLIGATION SUMMARY TO DATE						
Approp.	Sub-Allot.	Pro-gram	Obj.	Previous	Change	Total to Date
8900000,001	931/AM-14	6000	07	15,859.50	0.00	15,859.50
"	0132/AM	6000	07	9,116.50	0.00	9,116.50
"	060-00-01-245	6000	07	0.00	28,748.00	28,748.00
TOTAL OBLIGATIONS TO DATE - - -				25,000.00	28,748.00	\$ 53,748.00

CONTRACTS
 D. C. Bogart, Jr.
 Chief, General Accounts Branch
 Division of Finance

Office Memorandum • UNITED STATES GOVERNMENT

TO : Albert H. Holland, Jr., M.D., Director of Research and Medicine DATE: June 23, 1960
FROM : F. Rousseau Lanou, Director of Finance
SUBJECT: STATUS OF GAO INFORMAL INQUIRIES AND NOTICES OF EXCEPTIONS, OFFICE OF RESEARCH AND MEDICINE, AS OF JUNE 15, 1960
SYMBOL: FA:LFF

We attach for your information a copy of a statement reflecting the status of GAO informal inquiries and notices of exceptions pertaining to contracts administered by the Office of Research and Medicine; namely, Bowman Gray School of Medicine and Meharry Medical College.

This report is as of June 15, 1960, and supersedes the quarterly report as of March 15, 1960.

F. Rousseau Lanou
for F. Rousseau Lanou

Enclosure:
As stated above

Fry:gbh

CONTRACTS

1112639

Wesleyan University School of Medicine
Contract No. AT-(60-1)-200

Material Inquiries

Personnel Requiring Special Services by
Field No.

<u>Number</u>	<u>Date</u>	<u>Brief of Question</u>	<u>Status</u>
4-426-0 (G. O. Walker)	6-12-60	0 142.00 questions re measurement of items which apparently should be fur- nished by the contractor being de- frayable from the overhead stipu- lated in the contract.	Reply to O&O 6-28-60.

UNITED STATES
ATOMIC ENERGY COMMISSION

PA:JB

Oak Ridge, Tennessee
May 28, 1950

Wake Forest College
The Bowman Gray School of Medicine
Winston-Salem 7, North Carolina

Attention: Harry G. Parker, Controller

Subject: REPLY TO INFORMAL INQUIRY NO. A-425-C (1)

Gentlemen:

There is enclosed a copy of our reply to the above General Accounting Office informal inquiry.

When we are advised as to the effect of the reply, we shall pass the information along to you.

Very truly yours,

F. Rousseau Lenoir
Director of Finance

Enclosure:
Reply to Inquiry No. A-425-C (1)

Specter:hh

CC: Office of Research and Medicine w/encl. ✓

CONTRACTS Bowman
Gray
School of Med.
MAY 28 1950 288
M-3739

1112641

UNITED STATES
ATOMIC ENERGY COMMISSION

Oak Ridge, Tennessee
May 24, 1950

Auditor in Charge
General Accounting Office
Field Audit Section
Oak Ridge, Tennessee

Subject: REPLY TO GENERAL ACCOUNTING OFFICE INFORMAL INQUIRY
NO. A-425-C (1)

Disbursing Officer: Eugene A. Hudson	D. O. Voucher No.: 8004
Payee: Bowman Gray School of Medicine	Period of Account: February 1950
Contract No.: AT-(40-1)-388	Bureau Voucher No.: AB-688
Amount of Inquiry: \$162.89	Pt. Payment No.:

With the exception of Item (3), information has been received from the contractor and the contracting officer's representative which, in our opinion, satisfactorily establishes the questioned expenditures as being in the category of direct purchases necessary for the prosecution of the technical work under the contract. We attach, in this respect, a letter from the contractor, dated May 8, 1950, together with a memorandum from the Director of Research and Medicine, dated May 18, 1950.

Item (3) in the inquiry covers a charge of \$20.00 for the cost of venetian blinds. The contractor has been advised that this cost is not considered reimbursable under the contract and that credit should be allowed the Government on the next voucher submitted for reimbursement.

Gaylor T. Walker
Authorized Certifying Officer

Attachments:

1. Cy ltr dtd 5-8-50 from contractor
2. Cy Memo dtd 5-18-50 from Director,
Research and Medicine

Spector:kw

Encl:

1112642

R

Gaylord T. Walker, Chief, Audit Branch

May 12, 1950

Albert H. Holland, Jr., M.D., Director, Office of
Research and Medicine
EXPENDITURES FOR THE BOWMAN GRAY SCHOOL OF MEDICINE OF WAKE FOREST COLLEGE

SYMBOL: **REAJER**

Reference is made to your memorandum dated February 1, 1950, as above.

We are attaching a letter of May 5, 1950 from Bowman Gray explaining the circumstances involved in these expenditures. The expenditures were solely for the prosecution of the scientific work under the contract and are reimbursable as such.

We appreciate your cooperation and assistance.

Albert H. Holland, Jr.
Albert H. Holland, Jr., M.D.

Enclosure: *CFE*
for the RFP to MS, dated 5-4-50

Rouseville:aw

REC'D MAY 25 11 32

WAKE FOREST OBSERVATIONS

CONTRACTS

Bowman Gray School of Medicine

0-2022

OFFICER	<i>Res & Med</i>	<i>Res & Med</i>			
SURNAME	<i>Corley</i>				
DATE	<i>5-18-50</i>	<i>5-18-50</i>			

1112643

C C P Y

May 5, 1950

Reference: RM:AMC

Dr. Harry Stoeckle, Medical Advisor
Office of Research and Medicine
United States Atomic Energy Commission
Oak Ridge, Tennessee

Dear Dr. Stoeckle:

Thank you for your letter of April 28 requesting additional information on the voucher billing the Atomic Energy Commission for expenditures under Contract No. AT-(40-1)-288 during the period October 1 through December 31, 1949.

The items mentioned were first questioned by the auditor for the general accounting office. We went over the items at some length with the auditor and apparently explained them to his complete satisfaction. You will recall that the isotope laboratory was built before the fume hood was completed. No one had any idea what the weight of the fume hood would be; it was subsequently found to weigh considerably more than anyone's estimate. The final weight was so great that the architect would not allow us to place the fume hood in the position in the laboratory where we had planned and where we had placed plumbing, lighting, fixtures, etc. Only one structural beam was in this end of the building with sufficient weight-bearing capacity to carry safely the fume hood so that we had to knock down and move a wall, relocating fixtures in the washroom and lighting fixtures in the large laboratory since the supply came along the wall which had to be moved and went from that wall through the wall of the washroom.

The desk top was actually a working surface for records. In the original plan it was labelled desk and, hence, we used that same term though it actually is the table on which the computations are made and the calculator is kept. The other tables mentioned are those in the counting room on which the scaling circuits are placed. They had to be specially stressed to hold the weight of shielding, and hence had to be made for that particular room and that particular purpose.

The principal investigator under Title I informs me that the calculator is essential in saving the time of trained personnel in the evaluation of experiments. The statistical calculations involved in this particular project are concerned with the sums of squares and the square roots of sums. Using either logarithmic tables or slide rules, it was found that a disproportionate amount of time of the investigators and

CONTRACTS

Dr. Stoeckle
6/10/50
11/17/50

1112644

Dr. Harry Stoeckle

May 5, 1950

technicians was being required in the calculation and evaluation of data, particularly since the method was new and the data were calculated in several different fashions to prove the statistical validity. It was determined by trial that the computations could be made in a fraction of the time with a calculator. Various calculators were tried out for this specific project, and the one purchased seemed best adapted since it was the only one on which squares could be calculated putting the figure into the machine only once. We were very fortunate in securing the services of a technician who had had statistical training during the war so that no time was lost in training a person in the use of the equipment. The experiments have been speeded up noticeably since the calculator was obtained. We feel that on the basis of the use to which it is put - and it is used solely in the isotope laboratory - that the calculator is as important a piece of equipment as the scaling circuits. We understand this has also been the experience of other laboratories such as the one of Dr. George Burch at Tulane in New Orleans, who advised us on the equipment we should purchase.

I trust this explanation answers all of your questions. If there is anything that comes up in the future on which you would like more detailed information, we would be only too happy to supply it.

Sincerely yours,

Harry O. Parker
Controller

HOP:s

1112645

R

In Reply Refer To
NRAM

Oak Ridge, Tennessee
April 29, 1950

Mr. Harry G. Farkley, Supervisor
State Board of Health
The Norman Gray School of Medicine
Winston-Salem, North Carolina

Dear Mr. Farkley:

Please refer to your voucher billing the Atomic Energy Commission
for expenditures under Contract No. AT-(10-1)-500 for the
period October 1, 1948 through December 31, 1949, in the amount
of \$6,013.03.

We have been requested to furnish further information to the
Audit Branch for the charges under Title I, under the sub-
heading "Equipment" for a number of items in the amount
of \$612.50, installation of fluorescent fixtures in the
amount of \$50.00, relocation of fixtures in work space in the
amount of \$56.00, and installation of one desk top, shelf,
and three tables in the amount of \$92.80.

While these charges appear to be properly considered as items
of equipment to be furnished by your installation as part of your
contribution to the project, we are not aware of the circumstances
which prompted your decision to request reimbursement. In
accordance with our procedure, these claims have been paid, but
are held as suspense items until further information is received.

Will you please furnish us information as to how we
reply to the Audit Branch.

Audit Branch

REC'D MAIL 1 31 1:35

Harry Stebbins, Jr.
National Director
Office of Research and Medicine

0-1695

OFFICE OF RESEARCH AND MEDICINE
COPY 1/10

CONTRACTS

Burman Gray School Med. 288

OFFICE	Rec'd med				
SERIALIZED	Card	File			
DATE	4-28-50				

1112646

FORM NO. 64
Office Memorandum • UNITED STATES GOVERNMENT

TO : Albert H. Holland, Jr., M.D., Director of Research and Medicine
DATE: February 7, 1950
FROM : Gaylord T. Walker, Chief, Audit Branch, Finance Division
SUBJECT: EXPENDITURES FOR THE BOWMAN GRAY SCHOOL OF MEDICINE OF WAKE FOREST COLLEGE
SYMBOL: FFA:AH

Please refer to Public Voucher billing us for expenditures incurred by the Bowman Gray School of Medicine of Wake Forest College, under Contract No. AT-(40-1)-288, during the period October 1, 1949 through December 31, 1949, in the amount of \$6,043.03.

The invoice supporting the contractor's claim for reimbursement of costs under Title I includes charges, under subheading "Equipment" for a Monroe Calculator in the amount of \$682.50, installation of fluorescent fixtures in the amount of \$50.00, relocation of fixtures in wash room in the amount of \$56.00, and installation of one desk top, shelf and three tables in the amount of \$92.80.

Expenditures of this nature are not specifically provided for in the budget for "Permanent Equipment" under Title I of Appendix "A" to the contract. Therefore, information or evidence should be furnished to justify the necessity of their expenditures in connection with the scientific work of the contract.

Your cooperation in obtaining from the contractor the necessary information to clarify these claims for reimbursement will be appreciated.

We are processing the voucher for payment, with the questionable items above referred to set up as suspense items pending receipt of clarifying data.

We have also effected a recoupment on this voucher for the sum of \$1,866.98. This amount represents the excess of the initial advance payment and expenditures over the contract limitation of \$11,000.00 set out for the cost of work for Title I under Appendix "A" to the contract.

Gaylord T. Walker
Gaylord T. Walker

Harvey:mp

CONTRACTS

Bowman Gray School of Med
FEB 9 2 50
150
2-288

~~...~~
1112647

G. Viduan Balok, Assistant to the Manager

May 1, 1950

Albert H. Holland, Jr., M.D., Director of Research
and Medicine
NATIONAL OF CONTRACT NO. AB-(10-1)-230 - THE BORDEN GRAY SCHOOL
OF MEDICINE

MEMORANDUM

To be including a memorandum from J. H. Tuttle, National
Medical Service, Division of Biology and Medicine, regarding
requesting the removal of Contract No. AB-(10-1)-230 from
the Borden Gray School of Medicine for a period of one year
from 5/1/50 to 4/30/51. The Navy is to be transferred to
the National Medical Service, Division of Biology and Medicine,
at the expiration of the contract.

The Navy Executive Medical Advisory is the technical
representative to conduct and make investigations of
of the contract. It is requested that provision be made in
this modification to transfer title of property acquired under
Navy Contract Nos. NS-OR-63701 and NS-OR-63702 in the
amount of \$16,000.00 from the ABU to Borden Gray School of
Medicine.

JAH
Albert H. Holland, Jr., M.D.

ATF
Incl. 1
Memo dtd 4/13/50 w/proposal

max by...
CC: Dr. Stockle
Curly

CONTRACTS
Brown

D-1745

OFFICE	<i>Retmed</i>	<i>Retmed</i>			
DATE	<i>5-3-50</i>				

1112648

In Reply Refer To:
RMI:SS

Oak Ridge, Tennessee
April 28, 1950

Mr. James F. Maxwell
1000 West College
Raleigh, North Carolina

Contract Number DA-44-1-500

Reference is made to your letter of April 26 concerning budget changes in your contract no. DA-44-1-500.

The clause "It is understood and agreed by and between the parties hereto, that the contractor in expending the funds provided by the government shall be guided by, but not bound to conform to, the details of the program and budget set forth above", has been inserted into the contract in order to allow the investigators to make such changes as mentioned in your letter without obtaining written permission.

I believe that most everyone would agree that it is not possible to plan and budget one's expenditures to such detail. At the same time, those changes which do not change the scope of the work or program should be left to the discretion of the investigator.

Therefore, changes within categories and changes between categories do not have to be approved by this office if the scope of the work under the title is not altered. The changes mentioned in your letter do not need the approval of this office. On the other hand, changes which would alter the scope of the program should be approved.

If there are any further questions, please do not hesitate to write me.

Sincerely yours,

APR 29 5:30
Harry Steensie, M.D.
Medical Advisor
Office of Research and Medicine

0-1706

Steensie:es

CONTRACTS

Bowman Gray
Sch 7 Med
288

OFFICE

Physiology
Rad Med

DATE

4-21-50

4-28-50

1112649

WAKE FOREST COLLEGE
THE BOWMAN GRAY SCHOOL OF MEDICINE

DEPARTMENT OF
INTERNAL MEDICINE

WINSTON-SALEM, NORTH CAROLINA
ZONE 7

April 8, 1950

Dr. Harry Stoeckle
Atomic Energy Commission -
Office of Research and Medicine
Post Office Box E
Oak Ridge, Tennessee

Dear Dr. Stoeckle:

On the contract negotiated this year between the Atomic Energy Commission and the Bowman Gray School of Medicine of Wake Forest College, No. AT-(40)-Title I, we would like to have your permission to make some very minor changes in the budgeted categories. We have not found it necessary to utilize the services of an electronic engineer to the extent that we had anticipated; hence, we expect to have about \$400 over in the salaries category by the end of the year. We have also found that the glassware being utilized is not cooling off to the extent we had anticipated so that we are running short on glassware and on places to store it while it decays.

As I understand from our phone conversation yesterday, it is perfectly permissible for us to exchange amounts within a category; for instance, animals into glassware within the general category of supplies, without written permission. This action will allow us to take care of the problem of glassware supplies.

We have found that the prices on the equipment purchased this year have run somewhat higher than we had anticipated so that we are already over \$141.86 in the equipment category. Does the clause, "It is understood and agreed by and between the parties hereto, that the contractor in expending the funds provided by the government shall be guided by, but not bound to conform to, the details of the program and budget set forth above," mean that we may switch reasonable amounts between categories without prior permission? If we may have permission to switch up to the \$400 estimated over in salaries to equipment, it will enable us to take up this deficit incurred by too low estimates in cost of equipment and to purchase some simple storage cabinets in which we can place the radioactive glassware.

CONTRACTS Bowman Gray
Sch 7 filed 2/88
7-2400

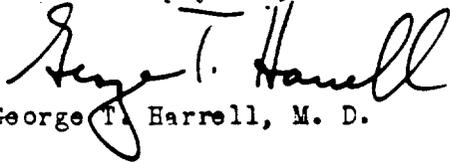
1112650

Dr. Harry Stoeckle

April 8, 1950

May we have your permission to make this exchange?
Thank you very much for all of your past courtesies.

Respectfully yours,


George T. Harrell, M. D.

GTH:mjs

R

G. Vanden Bulck, Assistant to the Manager

April 24, 1950

Albert L. Holland, Jr., M.D., Director of Research and Medicine

RENEWAL OF CONTRACT NO. AT-(10-1)-283 - THE BOWMAN GRAY SCHOOL OF MEDICINE

SYMBOLS: RMA:AMC

We are enclosing a memorandum from L. E. Felling, Asst. Dir. of Medical Branch, Division of Biology and Medicine, Washington, requesting the renewal of Contract No. AT-(10-1)-283 with The Bowman Gray School of Medicine for a period of one year from July 1, 1950 to June 30, 1951, at a level of \$29,500. We are also enclosing the proposal for renewal of the contract.

Dr. Harry Stockle, Medical Advisor, is the technical representative to contact for making arrangements for renewal of the contract.

[Signature]
Albert L. Holland, Jr., M.D.

Encl.: *RFF*
memo dtd 4/13/50 w/proposal

OK CCI: Dr. Stockle

Corley:tw

[Handwritten scribble]

CONTRACTS
Bowman Gray School of Med. 283

0-1663

OFFICE	<i>Res. & Med.</i>	<i>Res. & Med.</i>				
DATE	<i>4-24-50</i>	<i>4/24/50</i>				

1112652

Dr. L. H. Holland, Jr.
Chief, Medicine & Research Division, OOR
L. L. Tuttle, Asst. Chief, Medical Branch
Division of Biology and Medicine, Washington, D.C.
REQUEST TO RENEW CONTRACT AT (40-1)-288 TRIP... GRAY SCH. OF MEDICAL
WINSTON-SALEM, NORTH CAROLINA UNDER DR. GEO. A. P. HARRILL

April 19, 1950

REFER TO
BY OL: BEM:LWT

It is requested that the subject contract be renewed at a level of \$29,396 for the research to be performed under titles I, II, and III combined, plus 8% overhead, totalling \$2,352. Funds in the amount of \$31,748 will be suballotted to the Office of Oak Ridge operations for the above purpose.

Attachment

Copy of Title I, II, and III for
showing of contract

Copy ltr. to Commission from Harrell, 4/1/50

CONTRACTS

*Boorman has
checked it
- 54*

1112653

WAKE FOREST COLLEGE
THE BOWMAN GRAY SCHOOL OF MEDICINE

DEPARTMENT OF
INTERNAL MEDICINE

WINSTON-SALEM, NORTH CAROLINA
ZONE 7

April 15, 1950

Atomic Energy Commission
Office of Research in Medicine
Post Office Box "E"
Oak Ridge, Tennessee

Gentlemen:

We are enclosing two copies of the proposal for renewal of our contract no. AT-(40-1)-. Titles I, II, and III are discussed separately; a single recapitulation sheet summarizing the individual budgets is also attached. We regret that these proposals have been delayed several days due to the press of reaching with the end of the winter quarter and the beginning of the spring teaching quarter. We sincerely hope that you have not been seriously inconvenienced by this short delay.

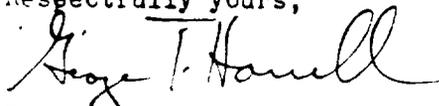
We should like to reserve the right to submit within the next two months an additional title covering another study in a different type of functional damage produced by irradiation. These additional experiments were discussed with Dr. L. S. Tuttle, of the Medical Branch, Division of Biology and Medicine, here in October, 1949 and have been more recently discussed by Dr. Eugene Cornatzer, of our staff, with Dr. Tuttle in Oak Ridge during the Symposium on Nucleoproteins.

Please let me express to you the deepest appreciation of all the members of our staff working on these projects and of the administration for your most generous help in our research program. It would have been completely impossible to have undertaken any of these studies without your support. We would like particularly to emphasize the pleasure it has been to work administratively with you on these projects.

We have added to the combined total in the recapitulation, at the suggestion of the Controller, an amount of overhead comparable to that which the administration of the school received under the CNR contracts and which they currently receive under other federally supported research contracts such as those with the United States Public Health Service. We trust the handling of this detail is satisfactory.

If there is any additional information we can give, or any clarification of points which are not clear that we can offer, please command us. We should be most happy to meet with you here, in Washington, or in Oak Ridge, at your convenience to negotiate further details of the contract if you would so desire.

Respectfully yours,


George T. Harrell, M.D.

CONTRACTS

Boyd
1950

1112654

GTH:mfc

April, 1950
Contract No. AT-(40-1)-
Bowman Gray School of Medicine
of Wake Forest College

TITLE I

1. a. Project Leader: Dr. George T. Harrell
- b. Term: July 1, 1950 to June 30, 1951
- c. Program: Distribution and turnover of sodium and potassium in acute infections.

ORIENTATION

Patients recovering from infectious diseases or from serum sickness have a diuresis during recovery in which water and chlorides are lost. In the acute phase of certain human infections, such as Rocky Mountain spotted fever and trichinosis, edema develops and the blood chlorides and proteins drop. No data are available on changes in the blood or urinary sodium and potassium. With the alterations in distribution of fluid, peripheral circulatory collapse often develops and leads to the death of the patient.

It is not known from blood volume and thioeyanate tissue space studies whether the extravasated fluid is found between cells or within them. The increase in permeability of capillary and cell wall membranes can be visualized as a graded series of pores. In mild instances of disease, only crystalloids leave the blood stream; in more severe instances small protein molecules such as albumin, or larger ones such as globulin, will leak out. A small defect should be detectable by the extent to which radioactive ions such as Na^{24} and potassium are diluted following injection; a larger defect should be detectable by the diffusion from the blood stream of protein molecules of various sizes tagged with I^{131} . In Rocky Mountain spotted fever the time at which the edema and circulatory collapse are maximal suggests that an antigen-antibody reaction may be responsible for the alteration in permeability of membranes.

If the mechanism can be established by which increased amounts of electrolytes are passed across capillary and cell membranes, it may be possible to devise means to correct the physiologic abnormality in infections or in pure antigen-antibody systems such as serum sickness. Eventually, it may be possible to induce an increase in permeability so that radioisotopes could be encouraged to enter certain tissues and there exert an intracellular radiation effect.

Some tumors may be caused by filterable viruses; others can concentrate viruses such as vaccinia. If a virus could be introduced into a cancer and immune serum were administered, an antigen-antibody reaction should take place only on parasitized cells; the local alteration in permeability would allow any circulating radioisotope to be concentrated in the cancerous tissue. If - through application of the auto-antibody technique - an antiserum against cancerous cells could be made, a similar reaction would take place only on malignant cells and should locally alter permeability so that an isotope administered therapeutically could be concentrated in the tumor.

PROGRESS TO DATE

A progress report on the experiments conducted July 1, 1949 to March 15, 1950 has already gone forward.

Techniques for determination of plasma volume, thiocyanate space, and Na^{24} space have been standardized for use in rabbits and human beings. Techniques for tissue analysis for total sodium and potassium and for Na^{24} content of tissues have been developed and standardized and control data accumulated for comparison with experimental data.

Pure antigen-antibody reactions without infection have been studied by inducing serum sickness in rabbits by 1) the injection of fractions of human plasma; and 2) by passive transfer techniques utilizing anti-human immune serum previously prepared in other rabbits. Measurements of the plasma volume, thiocyanate space, Na^{24} space, and of the tissue changes have been made. A preliminary draft of a paper with the passive transfer technique is attached; this paper is being submitted to the JOURNAL OF IMMUNOLOGY. A preliminary draft of the control data in normal animals is attached; this paper is being submitted to the AMERICAN JOURNAL OF PHYSIOLOGY, and the raw data will be deposited with the American Documentation Institute. Manuscripts on the serum sickness experiments have not yet been completed.

A technique is being developed, through preliminary experiments, studying a pneumococcal skin infection ("dermal pneumonia") in rabbits for determination of alterations in blood volume, thiocyanate and Na^{24} spaces.

PROPOSED PLAN OF EXPERIMENTS FOR 1950-51.

Physiology of Immune Reactions

The experiments completed, but not yet reported, utilized human plasma fractions in an attempt to simulate as closely as possible immunological problems in human disease. The experiments failed to produce consistent changes with the regularity desired. Other investigators, utilizing horse serum which contains antigen not present in human serum, have produced more consistent histologic lesions resembling those of rheumatic fever and periarthritis nodosa in rabbits. The physiologic studies have been done utilizing the techniques discussed above. The experiments in rabbits should be continued using horse instead of human plasma fractions as antigen. It is hoped that changes of sufficient magnitude will be obtained so that tissue analyses will be statistically significant in localizing in various organs or tissues the shift in radiosodium distribution.

^{131}I tagged rabbit serum protein fraction will be prepared by Dr. Donalee L. Tabern, Abbott Laboratories, North Chicago, Illinois; authorization (no. 5675) for the use of ^{131}I has already been obtained. The location of tissues into which proteins leak should be detectable by this technique. The physiologic studies will be cross-checked for specific cellular localization of antigen and antibody by radioautographic techniques.

-3-

Identical experiments can be done by the passive transfer technique utilizing a much shorter time interval than in the preliminary experiments. In this fashion as pure a humoral antigen-antibody reaction as possible will be obtained with a minimal cellular component.

In the course of these investigations the role of the heterophile antigen-antibody reaction in the production of these changes will be investigated and contrasted with the isophile reaction.

Autoantibody Studies

Previous investigators have reported the production of auto-antibody to rabbit heart by sensitization of animals to a mixture of group A hemolytic streptococci and normal rabbit heart. Repeated infection of rabbits with different types of group A hemolytic streptococci causes histologic lesions in tissue resembling rheumatic fever. Some common antigenic factor contained in the different types of streptococci may be the sensitizing agent partially responsible for production of the cellular lesions.

An attempt will be made to produce auto-antibody to rabbit heart using as antigen a mixture of streptococcus somatic group specific fractions which have been combined with normal rabbit heart. If the attempt is successful, the immunologic and physiologic methods previously described will be applied to this study. The antibody can be tagged with I¹³¹ for studies on the distribution of the antibody in normal and sensitized animals. The histologic lesions could be correlated with the physiologic changes by autoradiography.

The effect of repeated sensitization of rabbits with the group specific fractions alone would be studied by the same techniques for contrast with the results obtained by the auto-antibody technique.

Extracellular Infection

In the preliminary pneumococcal experiments, satisfactory local edema has been produced. An attempt is now being made to design an experiment which would permit longer survival of the animals by delaying invasion of the blood stream by the organism; in this fashion more marked edema and greater alteration in permeability should develop. These experiments will be pursued utilizing the techniques described above.

Intracellular Infections

We had originally intended to study the immunophysiology of Rocky Mountain spotted fever - an acute rickettsial infection in which the pathogenic organisms are located intranuclearly - in human patients. The development of potent antibiotics - aureomycin and chloramphenicol - has greatly reduced the number of clinical instances of rickettsial spotted fever admitted to the hospital; those cases which are appearing for study are arrested by the antibiotics so quickly that the physiologic changes do not develop to the

-4-

extent seen in previous years, if at all. It will, therefore, be necessary to study intracellular infections - for contrast with extracellular infections and pure antigen-antibody systems - in experimental animals.

The laboratory is not now set up for the culture of rickettsiae which grow only in embryonated chick eggs. The personnel are familiar with the techniques, and the equipment required is not extensive. An attempt will be made to tag rickettsiae with P32 in order to study more accurately their localization when injected into normal or into previously immunized rabbits. Serial physiologic and immunologic studies utilizing the techniques described above will be made to study the shifts in body fluids and electrolytes.

Tissue analyses will be done.

Autoradiography is planned in order to localize both the etiologic agent and the extravasated fluid and protein, as described above.

If time permits, the results of the above studies will be contrasted with those obtained in other groups of animals injected with killed rather than living rickettsiae.

It probably will not be possible to do virus studies in addition to rickettsial infections this year, but the techniques will have been largely developed and equipment and personnel will be available to continue such studies the following year.

CLINICAL STUDIES

As clinical cases are available, studies with Na²⁴ - for which approval no 5393 has already been obtained - will be done on individuals with various infectious diseases, allergic manifestations, and rheumatic fever. As controls, selected cases of myxedema, congestive heart failure, and other clinical conditions will be studied.

FACILITIES AVAILABLE

Construction of the isotope laboratory on the fifth floor of the medical school has been completed and the major items of the equipment have been installed. A fume hood designed for radioactive work is in place. A flame photometer, spectrophotometer, shielding equipment and monitoring equipment are available. A floor plan of the laboratory showing the site of installation of equipment has already been furnished (November 10, 1949). Animal space is available for observing infected and radioactive animals.

PERSONNEL AVAILABLE

Dr. Jerry K. Aikawa completes the second year of his AEC Fellowship October, 1950 and is trained in the necessary techniques.

Miss Eloise Rhoades, a technician, has been trained.

1112658

-5-

A negro animal technician, Claude Taylor, is being trained. He will be responsible for the breeding of rabbits as well as some technical procedures.

Dr. Ernest Yount will begin a Markle Scholarship in Medicine at this School in July, 1950. He will be available for clinical work on all patients studied.

NEEDS FOR 1950-51

Personnel

It has been found impossible this year to conduct all the experiments with a single technician; additional technical help will be required. During the remainder of this year an attempt will be made to carry on with the two technicians now working - Rhodes and Taylor.

The AEC Fellowship for Dr. Miura ends October, 1950. We have been able to obtain some financial support for him from the American Heart Association, but it will be necessary to supplement these funds in order to retain him full time on the project.

The amount of time Dr. Yount will be available on the project will depend upon the amount of continuing financial support for release from other duties.

Equipment

No item of permanent equipment requiring a major outlay of funds is requested. The relatively minor items requested in the attached budget are necessary to set up chick egg technique. A research microscope can be borrowed from another project. A few more cages will be necessary.

Supplies

Some expendable supplies will be required for chick egg work and for replacement of Geiger-Muller tubes.

The requirement for isotopes will be about the same as last year.

The variability in the response of rabbits obtained this year as compared with those utilized in the preceding years has already been discussed in the progress report. Other investigators have encountered the same problem and have arrived at the ^{same} ultimate solution. Apparently we must plan to raise our own animals from an inbred strain under controlled conditions of diet so that we can obtain groups of the same sex, age, and weight for the experiments. The negro animal technician has been hired with this end in view; it may be a year before the full benefit to the animal breeding program can be achieved, but it should be initiated now.

1112659

BUDGET

The total amount of the budget is increased very slightly from last year. With the completion of the laboratory the requirements for major items of equipment have been reduced, but the requirement for salaries of personnel has increased. The detailed budget is appended.

Title I

Contract No. AT-(40-1)-
(The Bowman Gray School of Medicine
of Wake Forest College)

2. PROPOSED BUDGET - JULY 1, 1950 to JUNE 30, 1951

a. The Bowman Gray School of Medicine of Wake Forest College will furnish as its contribution to the project the following:

- (1) Salary of Project Leader
Major portion of salary of Dr. Jerry K. Aikawa
Major portion of salary of Dr. Ernest H. Yount
- (2) Laboratory space, secretarial help and other services.

b. The Commission is requested to furnish:

(1) Personnel

Part time salary of Dr. Yount to permit release to work on project	\$ 1800.00
Part time salary of Dr. Jerry K. Aikawa	1800.00
Technician.....	2400.00
Technician.....	2100.00
Electronic engineer, part time	300.00
	<hr/>
	\$8,400.00

(2) Permanent Equipment

Dipping tube horizontal shield housing	200.00
Bacteriologic incubator.....	120.00
Water bath.....	100.00
Microscope lamp.....	49.00
Sterling hand pipette.....	42.00
Animal cages.....	120.00
Internal sample counter.....	300.00
Microscope attachments.....	200.00
	<hr/>
	1,131.00

(3) Expendible Supplies

Geiger-Muller tubes.....	300.00
Supplies for Egg Work: Iris scissors, cutting tools, oxygen torch, etc.....	100.00
Bottled gas and chemicals	200.00
Isotopes - Cost and shipping charges.....	300.00
Glassware.....	500.00
Animals.....	1500.00
	<hr/>
	2,900.00

(4) Travel.....	200.00
	<hr/>
	200.00

(5) Miscellaneous.....	200.00
	<hr/>
	200.00

TOTAL.....\$12,831.00

TITLE II

RESEARCHER: Dr. Cavillo Astin

DATE: July 1, 1950 to June 30, 1951

PROGRAM: Formation of tissue phospholipides.

ORIENTATION:

Phospholipides are constant and universal constituents of living bodies. Recent data (including those of the present investigations), have shown that certain cell structures, the mitochondria which are probably responsible for most chemical operations of the cells, are composed chiefly of phospholipides and proteins. Because of this association of a high content of phospholipides with the most important enzyme system, it would seem that changes in the composition of the cell phospholipides or in the ability of the tissues to build up these essential components will lead to very serious disturbances in the functioning of the body. In the present investigations an attempt has been made to determine, if and to what extent the composition and the rate of formation of phospholipides in the tissues in the liver is affected by changes in the composition of the diet or by the administration of various drugs, poisons, or hormones.

PREVIOUS WORK:

The formation of phospholipides has been studied with the aid of radioactive phosphorus both in the liver of intact animals and in in vitro experiments with surviving liver slices. As indicated in our previous reports (the last of which covered the work done from July 1, 1949 to March 15, 1950) these experiments on the formation of liver phospholipides have progressed satisfactorily. The results obtained thus far suggest that the liver which is the main organ for the synthesis of phospholipides, retains, to a considerable degree, its ability to build up adequate amounts of phospholipides even under very adverse conditions, such as marked dietary restrictions or administration of substances which probably act as cell poisons. In other words, as far as the formation of phospholipides is concerned, the liver seems to have a

remarkable capacity of compensating the destruction or the damage of part of its cells by stepping up the activity of the remaining tissue. Furthermore, this capacity seems to indicate that in the general economy of the organism, the formation of phospholipids is given a very high degree of priority.

Some phases of these investigations have been completed. Others have been or will be reported in preliminary papers, but it is felt that more experimental work should be done before definite conclusions can be reached. On the basis of the work done under the present title, the following completed or preliminary reports have been published in 1949:

J. Artom, W. E. Cornatzer, and M. Crowder: The Action of An Analogue of Ethanolamine (Diethanolamine) on the Formation of Liver Phospholipides. *Journal of Biological Chemistry*, Vol. 130, No. 2, p. 495, September 1949 (complete report).

J. Artom, and W. E. Cornatzer: Lipids and Phosphorylation in the Liver as Related to the Dietary Supply of Methyl Donors and Methyl Acceptors. Abstracts of the First International Congress of Biochemistry, Cambridge, England, August 1949, p. 32; *Journal of the Elisha Mitchell Scientific Society*, Vol. 65, No. 2, December 1949 (preliminary reports).

W. E. Cornatzer and J. Artom: Lipide Phosphorylation in the Liver of Rats Fed Thiourea and Related Compounds. *Journal of the Elisha Mitchell Scientific Society*, Vol. 65, No. 2, December 1949 (preliminary report).

In 1950 the following reports were placed on the programs of scientific meetings:

H. A. Swanson, and J. Artom: The Lipide Composition of the Mitochondria from Rat Liver, *Society of Experimental Biology and Medicine*, Southeastern Section, Durham, N. C., January 1950.

J. Artom, and H. A. Swanson: Lipide Phosphorylation by Surviving Slides of the Liver of Rats on Various Diets, *Federation of the American Biological Societies*, Atlantic City, N. J., April 1950.

Complete manuscripts on the last two subjects are being prepared for publication.

1112663

ANNUAL REPORT OF THE NATIONAL INSTITUTE OF HEALTH FOR 1950 AND 1951:

1. Formation of phospholipides in the liver of intact animals.

These experiments will be essentially a continuation and expansion of the similar previous experiments. Rats under various experimental conditions (especially hormone deficiencies and administration of hormones) will be injected with radioactive phosphate and, after a definite time interval, isotopic and analytical determinations will be made on the phospholipides extracted from the liver.

2. Formation of phospholipides in surviving slices or in the mitochondria of the liver.

As in previous experiments, the formation of phospholipides will be studied using liver slices maintained in a medium containing radioactive phosphate. In addition, some experiments are planned in which suspension of mitochondria will be used: such a material may offer some important advantages for simplifying the interpretation of the isotopic determinations and perhaps clarifying certain factors involved in phospholipide synthesis. In the future experiments the effect of the addition in vitro of various substances which may possibly interfere with some phases of the phospholipide synthesis will be studied further. Special attention in this direction will be given to available metabolite analogs, such as diethanolamine or triethylcholine.

3. Incorporation of choline into phospholipides and other experiments on the synthesis and degradation of choline by liver slices.

In the previous months we have had considerable difficulties in obtaining a method for choline synthesis. With the aid of Dr. Arthur Lee at the University of North Carolina, such difficulties have now been overcome. We believe that we are finally ready to start the experiments in which C^{14} labeled choline will be added in vitro to surviving slices of the liver and its incorporation studied by isotopic determinations in the phospholipides.

The availability of methyl labeled choline seems to offer also an excellent opportunity for studying certain problems of the metabolism of choline (either free or as a phospholipide moiety). Some of the possible reactions which might be

investigated are here mentioned: (a) Demethylation of choline to dimethylethanolamine; (b) Oxidation of the alcohol group of choline to betaine, followed by demethylation of the latter to dimethylglycine; and (c) Oxidation of the methyl groups to formaldehyde or formate with the possibility that these are involved in biological transmethylation (including the synthesis of choline or choline-containing phospholipides). Such type of experiments may substantially contribute to the clarification of problems which are of considerable importance for both normal nutrition and clinical conditions.

We have on hand C^{14} labeled formaldehyde and formate. On the basis of our experience in the synthesis of choline, we believe that we will be able to elaborate relatively simple methods for labeling some of the compounds related to choline which we mentioned, and which we are planning to use in our future experiments.

PROGRAM OBJECTS:

The budget proposed for 1950 and 1951 is approximately the same as the one allowed for the investigations presently underway. With the following exceptions, the outlays for permanent equipment has been cut in half. However, a scaling unit and timer are included, which it is assumed that their purchase will be made necessary by the increased number of C^{14} determinations.

The item consumable supplies has been increased by the additional expense which will be required for synthesizing several compounds related to choline.

TITLE II

PROJECT LEADER: Dr. Camillo Artom

PERIOD: July 1, 1950 to June 30, 1951

PROGRAM: Formation of tissue phospholipides.

BUDGET FOR PROPOSED PROJECT: Period July 1, 1950 to June 30, 1951

Personnel:

Dr. Camillo Artom as Project Leader, Professor	None	Salary from Bowman Gray
Dr. M. A. Swanson, Assistant Professor	None	" " " "
Marietta Crowder, Graduate Student	None	" " " "
Full-time technician (Not selected)	\$2160.00	
2 Part-time technicians (Not selected)	2160.00	
		<hr/> \$4,320.00

Permanent Equipment:

Scaling Unit, Model 163	600.00	
Timer, T-10250	120.00	
Protective cabinet for the high voltage source	300.00	
Van Slyke's manometric carbon apparatus	300.00	
		<hr/> \$1,320.00

Consumable Supplies:

Radioactive Phosphorus	250.00	
Radioactive Compounds Cl^{34} labeled	1250.00	
Expenses for synthesizing new Cl^{34} labeled compounds	600.00	
Animals	500.00	
Chemicals	600.00	
Glassware	300.00	
Organic Solvents	500.00	
		<hr/> \$4,100.00

Travel:

Scientific Conferences and Meetings in this country	\$250.00
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Other Expenses:

Maintenance, repairs and replacements of radio-activity apparatus	350.00	
Incidentals	250.00	
		<hr/> \$600.00

 Total \$10,590.00

April, 1950

PROPOSAL FOR RENEWAL

RESEARCH CONTRACT

Contract No. AT-(40-1)-

CONTRACTOR: The Bowman Gray School of Medicine
of Wake Forest College

ADDRESS: Winston-Salem 7, North Carolina

AMOUNT OF CONTRACT:

	Title I	Title II	Title III
Personnel	8400	4320	3600
Permanent equipment	1131	1320	950
Consumable supplies	2900	4100	1300
Travel	200	250	
Disc., repairs and replacements	200	600	125
Sub Totals	<u>12831</u>	<u>10590</u>	<u>5975</u>
I, II, and III combined		<u>\$29,396.00</u>	
overhead at 8%		<u>2,351.68</u>	
TOTAL		\$31,747.68	

1112667

April, 1950

PROPOSAL FOR RESEARCH

RESEARCH CONTRACT

Contract No. AT-(40-1)-

CONTRACTOR: The Bowman Gray School of Medicine
of Wake Forest College

ADDRESS: Winston-Salem 7, North Carolina

AMOUNT OF CONTRACT:

	Title I	Title II	Title III
Personnel	8400	4320	3600
Permanent equipment	1131	1320	950
Consumable supplies	2900	4100	1300
Travel	200	250	
Inst., repairs and replacements	200	600	125
Sub Totals	<u>12831</u>	<u>10590</u>	<u>5975</u>
I, II, and III combined		<u>\$29,396.00</u>	
Contract No. 2		<u>2,351.68</u>	
TOTAL		\$31,747.68	

1112668

WAKE FOREST COLLEGE
THE BOWMAN GRAY SCHOOL OF MEDICINE

WINSTON-SALEM, NORTH CAROLINA
ZONE 7

DEPARTMENT OF
INTERNAL MEDICINE

April 7, 1950

Atomic Energy Commission
Office of Research and Medicine
Post Office Box E
Oak Ridge, Tennessee

Gentlemen:

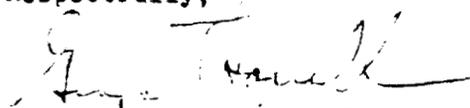
Enclosed you will find, somewhat belatedly the progress reports on Titles I, II, and III of the contract number AT-(40-1)-held by the Bowman Gray School of Medicine of Wake Forest College. The reports have been delayed a few days because of the completion of the school trimester with the necessity of giving final examinations and starting a new group of students in the next trimester.

We are also enclosing a reprint of the papers which have so far come out this year.

We are highly pleased with the progress that has been made under Title III considering the amount of the grant and the time available for the project. The progress made under Title II has been quite satisfactory to us. We are not pleased with the amount we have accomplished under Title I but we have run into unexpected technical difficulties which are discussed in the report.

Please let me express to you on behalf of those working on the project here and the administration our deepest appreciation for the help you have given us this year. We would especially like to thank you for the spirit of helpfulness and cooperation shown this year which has created an atmosphere quite different from that under which we had previously worked on these projects.

Respectfully,


George T. Harrell, M.D.

GTH:mfc

CC: Harrell
Bowman

1112669

In Reply Refer To:
RM:RS

Oak Ridge, Tennessee
April 6, 1950

Dr. George F. Harrell
Wake Forest College
Bowman Gray School of Medicine
Winston-Salem, North Carolina

Dear Dr. Harrell:

Thank-you for your letter telling us that Dr. Cornatser
will be in Oak Ridge for the Nucleic Acid Symposium.

I will be very glad to discuss your program with
Dr. Cornatser when he is here. We can probably arrange
the meeting between discussions. I assume that your pr
posal for next year has been sent on to Washington.

Sincerely yours,

Harry Stoeckle, M.D.
Medical Advisor
Office of Research and Ma

Stoeckle:ee

CONTRACTS
Bowman, Gen



1311

OFFICE	<i>Physics</i>				
SURNAME	<i>Stoeckle</i>				
DATE					

1112670

WAKE FOREST COLLEGE
THE BOWMAN GRAY SCHOOL OF MEDICINE

DEPARTMENT OF
INTERNAL MEDICINE

WINSTON-SALEM, NORTH CAROLINA
ZONE 7

March 30, 1950

Dr. Harry Stoeckle
Division of Biology and Medicine
Atomic Energy Commission
Oak Ridge, Tennessee

Dear Dr. Stoeckle:

I just wanted to drop you a note to let you know that Dr. Eugene Cornatzer, who is serving as an investigator on one of our research projects, will be in Oak Ridge for the Biology Seminar on Nucleic Acid April 13 and 14. He has already seen the Biology Division and does not care about making the tour planned for Friday afternoon. If you would like to go over with him the results of the experiments so far and our plans for the future as well as interpretation of present data, we could arrange for him to meet you before he goes to the airport to catch the 7:40 p.m. plane. Just let me know.

Cordially,

George T. Harrell, Jr.

George T. Harrell, M. D.

GTH:mjs

112671

CONFIDENTIAL
Bowman Gray

M-0121

U. S. ATOMIC ENERGY COMMISSION
STATEMENT OF AUTHORITY

CEW FORM 169 (May 9, 1947)

1. DELEGATED TO (Name, title, unit, location) Medical Advisor Oak Ridge Operations	2. DELEGATED BY (Name, title, unit, location) Director of Research & Medicine Oak Ridge Operations
3. NUMBER ASSIGNED TO THIS STATEMENT OF AUTHORITY 757	5. THIS STATEMENT OF AUTHORITY IS REDELEGATION NUMBER OF STATEMENT OF AUTHORITY NO. 22 740
4. EFFECTIVE DATE OF THIS STATEMENT OF AUTHORITY March 20, 1950	

1. Pursuant to authority vested in me, you are hereby designated as a representative of the Contracting Officer and as a representative of the Atomic Energy Commission in connection with the performance of Contract No. AT-(40-1)-288, Bowman Gray School of Medicine of Wake Forrest College, with authority to take such action and to make such decisions in connection therewith as are required of the Atomic Energy Commission, or the Contracting Officer thereto, with the exception that you are not authorized to execute modifications thereto, or make decisions relative to claims, protests and appeals thereunder, or approve any purchase or subcontract in excess of \$100,000 thereunder.

2. You shall establish such controls as may be necessary to maintain that portion of the program represented by this contract within approved budgetary limitations. You shall also develop and maintain liaison and coordination with the Assistant Director of Research & Medicine, and others concerned to assure continuity of existing budgetary and administrative policies and agreement on new policies.

3. This Statement of Authority is personal to you and may not be re-delegated to others; it will remain in effect until revoked.

Albert H. Holland, Jr.
Director of Research & Medicine

WAKE FOREST COLLEGE
THE BOWMAN GRAY SCHOOL OF MEDICINE

DEPARTMENT OF
INTERNAL MEDICINE

WINSTON-SALEM, NORTH CAROLINA
ZONE 7

March 18, 1950

Dr. Albert H. Holland, Jr.
Director of Research and Medicine
Atomic Energy Commission
Post Office Box E
Oak Ridge, Tennessee

Dear Dr. Holland:

I am writing in regard to the progress report of
our AEC grant. I realize that this report was due on March
15; however, our quarter is now ending and we have been tied
up with examinations. This report will be forwarded to you
next week.

Sincerely,


George T. Harrell, M.D.

GT:mfc

CONTINUED
George T. Harrell

1112673

MAR 20 1950
70-1778

22/11/74

Mr. S. G. ...
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...

[Handwritten signature]

nff

M11

...

1112674

CONTRACT ...

OFFICE	<i>...</i>					
SURNAME	<i>Corley</i>					
DATE	<i>21/11/74</i>					

**NAVY DEPARTMENT
ATLANTA INSPECTION DISTRICT**

SPEEDLETTER

INSMAT

~~RESTRICTED~~ INSMAT, ATLANTA, GA. Special Delivery Air Mail Regular Mail**SPEEDLETTER**

(USED IN LIEU OF A DESPATCH)

FILE NO.	NON-CLASSIFIED	RESTRICTED	CONFIDENTIAL	DATE
(clw-41) X (Atomic Energy Com)	X			5 January 1950

TO: (Action)
The U.S. Atomic Energy Commission
Oak Ridge Operations Office
Research & Medical Division
P.O. Box "E"
Oak Ridge, Tenn.

COPIES TO:

ATTN: Miss Alice Corley
(Use dispatch phraseology)

By letter 14 November 1949 and tracer of 16 December 1949 this office advised that the Office of Naval Research by Shipment Order 11826 dated 19 October 1949 requested transfer of certain material acquired under ONR contracts N8onr-63701 and N8onr-63702 to "Representative, U.S. Atomic Energy Commission c/o Forest College, Bowman Gray School of Medicine, Winston-Salem, N.C."

NavSamp Form 127 (LHM Atlanta Receipt/Expenditure Invoice #000076) was prepared to cover transfer of the above property and was forwarded your activity under date of 14 November 1949 with the request that it be executed to acknowledge receipt of the material itemized thereon.

It is again requested that the original and all but copies #5 and #6 of Invoice #000076 be signed and returned to this office for further disposition. It will be appreciated if this matter can be given preferential attention in order that property accountability for this material can be cleared.

W. A. BROOKS
Captain, USN RET

CONTRACTS
Burman

[Signature] JAN 1950
H. H. KLING, Sr., USNR
Executive Assistant

INSPECTOR OF NAVAL MATERIAL, ATLANTA DISTRICT SPEEDLETTER

NOTE TO RECIPIENTS OF THIS SPEEDLETTER—The purpose of this form is to combine the advantages of despatches—streamlined form and phraseology, plus quick action by the recipient with the economy of transmission by airmail. ANY REPLY TO SPEEDLETTERS MUST REFER TO COMPLETE FILE, OFFICE, AND SERIAL NUMBER GIVEN ABOVE. SPEEDLETTERS should NOT be handled by the Naval Communication Service at either originating or receiving office.

1112675

ADDRESS REPLY IN DUPLICATE TO
INSPECTOR OF NAVAL MATERIAL
AND REFER TO

NAVY DEPARTMENT
OFFICE OF INSPECTOR OF NAVAL MATERIAL
JOHN SILVEY BUILDING
114 MARIETTA STREET N. W.
ATLANTA 3, GEORGIA



TELEPHONE
CYPRESS 1926

(clw-41)
Of (Atomic Energy Comm)

16 December 1949

The U.S. Atomic Energy Commission
Oak Ridge Operations Office
Research & Medical Division
P. O. Box E
Oak Ridge, Tennessee

Attention: Miss Alice Corley

Gentlemen:

The Office of Naval Research by Shipment Order #11826 dated 19 October 1949 requested this Inspector to arrange transfer of certain material acquired under Office of Naval Research contracts N8onr-63701 and N8onr-63702 to "Representative, U.S. Atomic Energy Commission c/o Wake Forest College, Bowman Gray School of Medicine, Winston-Salem, North Carolina".

NavSanda Form 127 was prepared to cover shipment of the above property and was forwarded to your activity under date of 14 November 1949 with the request that addressee execute this form in acknowledgment of the receipt of the material itemized thereon.

If this material has been received, it is requested that the original and all copies (except #5 and #6 which may be retained for addressee's files) be signed and/or conformed and returned to this office for further distribution.

Yours very truly,

A handwritten signature in cursive script that reads 'W. A. Brooks'.

W. A. BROOKS
Captain, USN RET

CONTRACTS

[Handwritten notes and scribbles]
R-10200

1112676

In Reply, Refer to
111267

Oak Ridge, Tennessee
January 16, 1950

The Bowman Gray School of Medicine
Wake Forest College
Winston-Salem 7, North Carolina

Gentlemen:

We have received a request from the Office of Naval Research to transfer to the Atomic Energy Commission the accountability for the property acquired by you under Contracts NBoar-63701 and NBoar-63702, which was on hand at the close of these contracts. This property is itemized on Nav. 8 and A Form 127, of which we are enclosing a copy herewith.

If you agree the property indicated on the document was in your custody as of 12/31/49, the date at which the final accounting was made, and you agree to transfer to both entities the property to us.

By so doing, you will assume no responsibility from the Army for this property, and you will be relieved of the responsibility of a responsible party to the Atomic Energy Commission, to you for the property.

The property will remain the property of the Atomic Energy Commission and you will be relieved of the responsibility of a responsible party to you for the property under the provisions of Paragraph 1, Article VI, of this contract.

[Signature]
Albert L. Holland, Jr., M.D.
Director of Research and Medicine

[Handwritten initials]
Encl. 15.1
1. Form 127, Copy # 5
2. " " " " 6

cc: copy to

CONTRACTS
[Handwritten initials]

<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>			
1/15/50	1/16				

1112677

Office Memorandum • UNITED STATES GOVERNMENT

TO : J. Vanderhorst, Assistant to the Director

FROM : Albert H. Holland, Jr., M.D., Director of Research
and Medicine

SUBJECT: TRANSFER OF PROPERTY (CONTRACT NO. AT-(40-1)-288)

DATE: December 13, 1949

REFER TO

SYMBOL: Rm:AMC

Attached is a copy of a letter dated November 14, 1949, together with Copy 5 of Nav.S. and A. Form 127 covering the transfer of accountability for property at Bowman Gray School of Medicine from the Department of the Navy to the Atomic Energy Commission. We are also attaching a letter of September 13 from F. M. Womeldorff to the Department of the Navy, on the same subject. The forms have been executed and returned as requested.

The nature of the property is such that the Commission will have no continuing interest in it upon the completion of the scientific program now being conducted with the support of AEC funds. Further, this property is of the same type and nature as that property acquired by the contractor in the conduct of the work under Contract No. AT-(40-1)-288.

It would be to the best interest of the Commission to issue this property to the contractor in accordance with Paragraph 3, Article VII. If this cannot be accomplished in the present contract, we recommend it be included in the next modification.

Albert H. Holland, Jr., M.D.

Attachments:

1. Cy of Ltr dtd 11/14/49
2. Cy 5 of Nav. S. and A. Form 127
3. Cy. of Ltr dtd 9/13/49

Corley:tw

0
0
P
X

Wonsldorff/nh
(Reading File - 2)

FBOY/FM

September 13, 1949

U. S. Department of Navy
Office of Naval Research
Washington 25, D. C.

Attention: John E. Kahelin
EIOS:OR:264

Subject: Inventory of Contracts NS-OR-63701 AND NS-OR-63702

Continued

Confirming telephone conversation of September 12 with John E. Kahelin, it is requested that the residual inventory on contracts NS-OR-63701 and NS-OR-63702 presently located at the Wake Forest College, Bowman Gray School of Medicine, Winston Salem, North Carolina be transferred to the accounts of the Atomic Energy Commission.

This transfer will be effected without reimbursement, as the material was purchased with Atomic Energy Commission funds.

Accountability will be assumed by the U. S. Atomic Energy Commission, Oak Ridge Operations Office, Research & Medical Division, Post Office Box E, Oak Ridge, Tennessee, Dr. Albert H. Holland, Attention Alice Corley, to whom all shipping documents are to be addressed. Also, one copy of each shipping document should be forwarded to this office.

Very truly yours,

F. E. Wonsldorff
Procurement Engineer
Business Operations

cc: Dr. L. W. Tuttle, Biology & Medicine
Dr. Albert H. Holland, Oak Ridge

1112679

FDCE/VHU

September 13, 1949

U. S. Department of Navy
Office of Naval Research
Washington 25, D. C.

Attention: John E. Kachelin
NSR:OSR:244

Subject: Inventory of Contracts NS-OSR-63701 AND NS-OSR-63702

Gentlemen:

Confirming telephone conversation of September 12 with John E. Kachelin, it is requested that the residual inventory on Contracts NS-OSR-63701 and NS-OSR-63702 presently located at the Wake Forest College, Bowman Gray School of Medicine, Winston Salem, North Carolina be transferred to the accounts of the Atomic Energy Commission.

This transfer will be effected without reimbursement, as the material was purchased with Atomic Energy Commission funds.

Accountability will be assumed by the U. S. Atomic Energy Commission, Oak Ridge Operations Office, Research & Medical Division, Post Office Box 8, Oak Ridge, Tennessee, Dr. Albert H. Holland, Attention Alice Corley, to whom all shipping documents are to be addressed. Also, one copy of each shipping document should be forwarded to this office.

Very truly yours,

F. H. Womolderff
Procurement Engineer
Business Operations

cc: Dr. L. W. Tuttle, Biology & Medicine
Dr. Albert H. Holland, Oak Ridge

R-878
SEP 16 1949

CONTRACTS

Bowman Gray Med Sch.

ADDRESS REPLY IN DUPLICATE TO
INSPECTOR OF NAVAL MATERIAL
AND REFER TO

NAVY DEPARTMENT

OFFICE OF INSPECTOR OF NAVAL MATERIAL

JOHN SILVEY BUILDING
114 MARIETTA STREET, N. W.
ATLANTA 3, GEORGIA



TELEPHONE
CYPRESS 1926

(clw-41)
Q (Atomic Energy Comm.)

14 November 1949

U. S. Atomic Energy Commission
Oak Ridge Operations Office
Research & Medical Division
P.O. Box E
Oak Ridge, Tennessee

Attention: Miss Alice Corley

Gentlemen:

The Office of Naval Research by Shipment Order 11826 dated 19 October 1949 has requested this Inspector to arrange transfer of certain material acquired under Office of Naval Research Contract N8onr-63701 and N8onr-63702 to "Representative, U.S. Atomic Energy Commission c/o Wake Forest College, Bowman Gray School of Medicine, Winston-Salem, North Carolina".

NavSanda Form 127 has been prepared to cover the transfer of the above property and is forwarded herewith as enclosure (1). It is requested that the addressee execute this form, acknowledging receipt of the material itemized thereon. Copies No. 5 and 6 may be retained for the files of your activity; the original and all other copies are to be signed and/or conformed and returned to this office for further distribution.

Yours very truly,

W. I. Brooks
M. I. BROOKS
Captain, USN RET

Encl: *AKMAR*
(1) Orig. and 8 cys INM Atlanta
Transfer Inv. #000076 dtd 10 Nov. 1949

CONTRACTS
Bowman Gray

X K-

1112681

R. C. Roberts, Chief, General Accounts Branch

March 6, 1950

Albert M. Holland, Jr., M.D., Director of Research and Medicine

ACQUISITION OF PROPERTY AT BUREAU QUAY

MEMORANDUM

We are attaching Copy No. 5 of Map, A, and A, Form 127 covering the transfer of responsibility of property of the Bureau of Medicine from the Army Department to the Navy. The property was acquired by Bureau Quay through Contract Numbers 42-100-1701 and 42-100-1702. This transfer has been effected without objection as the material was purchased with Navy funds.

Since the nature of the property is such that the Commission will have no continuing interest in it upon completion of the continuing program now being conducted, it is suggested that the funds, we do not contemplate that it will be returned to the Commission. Arrangements will be made to transfer this property to the college at the time a modification to Contract No. 42-10-1-283 is negotiated.

[Signature]
Albert M. Holland, Jr., M.D.

✓
Vand: NFF
Copy No. 5

CC: C. Vernon Halck
Corley

1000 4:30 PM 3:48

CONTRACTS

Hammer *Gum*

8-369

OFFICE	<i>Re 4700</i>	<i>Re 4700</i>				
SUBMITTED	<i>Curley</i>					
DATE						

1112682

R

In Reply Refer To:
RMAAC

Oak Ridge, Tennessee
March 6, 1950

Dr. Harry G. Parker, Controller
Winghurst College
The Woman's College of Medicine
Winston-Salem, North Carolina

Dear Dr. Parker:

We are enclosing Copy No. 6 of Nos. 2, and 3, Form 227
dated November 12, 1949, for property acquired under Navy
Contract Nos. N6-49-4774 and N6-49-4775. Your
records as agreed upon in prior correspondence.

Sincerely yours,


Albert E. Holland, Jr., M.D.
Director of Research and Medicine

✓ Encl: NFF
Cy. No. 6

Corley:tw

CONTRACTS

OFFICE CHECK 1042

Brown

0-885

OFFICE	Keat med	Keat med			
SUBNAME	Corley	Reheron			
DATE	3-6-50				

1112683

WAKE FOREST COLLEGE
THE BOWMAN GRAY SCHOOL OF MEDICINE
WINSTON-SALEM, NORTH CAROLINA
ZONE 7

OFFICE OF THE CONTROLLER

February 28, 1950

U. S. Atomic Energy Commission
Oak Ridge Operations
P. O. Box E
Oak Ridge, Tennessee

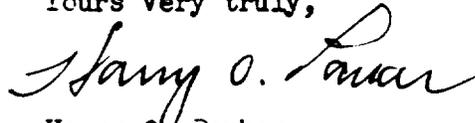
Attention: Dr. Albert H. Holland, Jr.
Director of Research & Medicine
RMT:AMC

Gentlemen:

Reference is made to your letter dated January 16, 1950
in which you enclosed copies five and six of Form No. 127
showing a list of the equipment which we had in our custody
as of July, 1949.

According to your instructions we have signed both
copies of this form and are returning them to you. It is
our understanding that one copy of this will be co-signed
by you and returned to us for our records.

Yours very truly,



Harry O. Parker
Controller

HOP:nh

Enclosure

1112684

CONTRACTS

MAR 2 1950

74-1343

In Reply Refer To
RICHARD

R

Oak Ridge, Tennessee
February 28, 1950

Dr. Henry G. Fawcett, Controller
State Fiscal Building
The Bowman Gray School of Medicine
Winston-Salem 7, North Carolina

Dear Mr. Fawcett:

Reference is made to your letter of February 14, 1950. The correction of Dr. H. L. Carpenter's salary in the amount of \$990.00 shown under Title I, Appendix A, in the budget submitted for payment for July 1, 1949 through December 31, 1949, has been made. The salary has been charged under the salary category of Title III, Appendix A.

It is agreeable with this office for you to show a credit against salary expenditures for this amount under expenditures for salaries, Title I, on your subsequent vouchers.

Sincerely yours,

Albert H. Holland, Jr., M.D.
Director of Research and Medicine

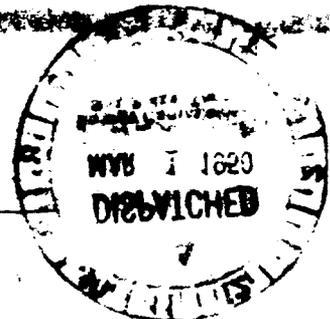
DK1

cc: Audit Branch, w/for Dr Bowman Gray School of Med.

WALTON

CONTRACTS

Approved



747

OFFICE	Res. & Med.	Res. & Med.	Res. & Med.	Audit		
SURNAME	Corley	Roberts	W. W.	Walker		
DATE	2-28-50	2-28-50	2-28-50	2-28-50		

1112685

COPY

WAKE FOREST COLLEGE
THE BOWMAN GRAY SCHOOL OF MEDICINE
Winston-Salem, North Carolina
Zone 7

February 16, 1950

Office of the Controller

U. S. Atomic Energy Commission
Oak Ridge Operations
P. O. Box E
Oak Ridge, Tennessee

Attention: Dr. Albert H. Holland, Director
of Research and Medicine

Gentlemen:

In filing public vouchers and attached invoices for re-imbursable expenditures for July 1, 1949 through December 31, 1949, under Research Contract No. AT (40-1) 288, we erroneously included under Title I, Appendix A, salary for Dr. W. E. Cornatzer, research technician, in the amount of \$990.00. This salary should have been charged under the salary category of Title III, Appendix A.

Please make this correction on your records, and on our subsequent vouchers, we will show a credit against salary expenditures for this amount under expenditures for salaries under Title I. Please advise us if this procedure will be agreeable, and if not, advice as to the proper way of handling same will be appreciated.

Yours very truly,

s/ Harry O. Parker

Controller

HOP:nh

CONTRACTS
COPY

Bowman Gray

1-112686-

ATOMIC ENERGY COMMISSION
OFFICE OF OAK RIDGE OPERATIONS

CONTRACTUAL OBLIGATION NOTICE

NO. 50-315

DATE February 13, 1950

TO : D. C. BOGART, CHIEF, DIVISION OF FINANCE

FROM : LEO L. SELIGSON, CHIEF, BUDGET BRANCH

SUBJECT: TRANSMITTAL NOTICE OF CONTRACTUAL OBLIGATION

CONTRACT NO. AT-40-1-Gen-288
 CONTRACTOR Wake Forest College
 CHANGE NO. Original
 DATE June 22, 1949
 CONTRACTING OFFICER R. W. Cook
 LIAISON OFFICER A. H. Holland
 DIVISION OR OFFICE Research & Medicine
 DESCRIPTION OF WORK Fundamental research in the field of atomic energy.

FUND APPLICATION - THIS NOTICE
 APPROPRIATION FY 1949 CA FY 1950 Cash
 SUB ALLOTMENT 931/RM-14-m 0132/RM

PROGRAM(S)	OBJECT(S)	AMOUNT(S)
As shown below.		

APPROPRIATION	SUB ALLOT.	PROG.	OBJ.	PREVIOUS	CHANGE	TOTAL TO DATE
FY 1949 Cash	931/RM-14-m	6000	07	\$ 15,859.50	\$ 0	\$ 15,859.50
FY 1949 CA	935/RM-14-m	6000	07	5,940.50	- 5,940.50	0
FY 1950 Cash	0132/RM	6000	07	3,200.00	+ 5,940.50	9,140.50
TOTAL OBLIGATIONS TO DATE - - - - -				\$ 25,000.00	\$ 0	\$ 25,000.00

OTHER DATA Obligation adjustment to provide FY 1950 Cash to liquidate FY 1949 Contract Authority to cover estimated requirements thru March 31, 1950.

Leo L. Seligson
 LEO L. SELIGSON

In Reply Refer To:
RT:AMC

Oak Ridge, Tennessee
January 27, 1950

Mr. Harry O. Parker, Controller
The Woman's College of North Carolina
Winston-Salem, North Carolina

Dear Mr. Parker:

During the time that your unclassified purchase contract no. AS-(48-1)-208 was being negotiated, representatives of the Commission visited your institution and explained the requirements of your vouchers for reimbursement. It is requested that you check your files with written explanation as to how such vouchers were prepared.

Moreover, written justification of expenditures should remain in your files in support of such expenditures. If not been previously furnished you. Since your vouchers under your present contract are subject to later audits by both the Commission and the General Accounting Office, we are enclosing a listing of the documents which should be retained in your files in support of the various types of expenditures. (See enclosure)

We shall appreciate your cooperation in keeping files of these supporting documents for the use of the Commission and the General Accounting Office in audits to be made in your office.

In the event that prior expenditures are not now supported by the documents described in the attachment, your further cooperation in reviewing your records of such expenditures and supporting them with the desired data will be appreciated. By doing this at the present time, we feel that questions by the General Accounting Office will be held to a minimum insofar as documentary support is concerned.

Please do not hesitate to call upon us for clarification of any questions you may have in the matter. We shall be glad to assist you in every way possible.

Sincerely yours,

Albert H. Holland, Jr., M.D.
Director of Research and Medicine

0-364
1-30x/ encl: NFF - Filed in Cont 1 Univ Lib

cc: Dr. George T. Marshall
Dr. Camille Aron
Dr. David Gayer
Andy Branch

CONTRACTS

George Perry

OFFICE				
SURNAME				
DATE		1-25-50		

1112688

G. T. Walker, Chief, Audit Branch

December 23, 1949

Albert H. Holland, Jr., M.D., Director of Research and Medicine

CONTRACT NO. AT-(40-1)-288

REFER TO
SYMBOLS

REMARKS

We are attaching a letter of December 22, from Bureau City School
of Medicine furnishing the documentary evidence which you requested
in your memorandum of November 18.

wft

JAC

Attach:
1074 Bureau City Sch. of Med. 12-22-49

Corley:cc

CONTRACTS

Bureau City

1095

OFFICE	<i>bu. of med.</i>	<i>J.P.H.</i>				
SURNAME	<i>Corley</i>	<i>Robertson</i>				
DATE	<i>12-29-49</i>	<i>12-29-49</i>				

1112689

C O P Y

WAKE FOREST COLLEGE
THE BOWMAN GRAY SCHOOL OF MEDICINE
Winston-Salem, North Carolina

December 21, 1949

U. S. Atomic Energy Commission
Oak Ridge Operations
P. O. Box E
Oak Ridge, Tennessee

Attention: Dr. Albert H. Holland, Jr.
Director of Research & Medicine
BMT:AMC
Contract No. AT-40-1)

Gentlemen:

Reference is made to your letter dated December 16, 1949 in connection with dates on equipment purchased under our voucher dated October 21, 1949.

The invoice dates on these items are as follows:

Title I:

July 2, 1949 - Atlas Supply Company	\$44.00
July 5, 1949 - J. T. Bates & Company	55.80
July 11, 1949 - Arthur H. Thomas Company	650.00
August 13, 1949, Wall-Turner Heating & Air conditioning Company	216.80

Title II:

July 6 - Nuclear Instrument & Chemical Corporation	339.25
July 21 - Arthur H. Thomas Company	47.35

We hope this information will clear your records for the audit branch in this connection.

Yours very truly,

/s/ Harry O. Parker

Harry O. Parker
Controller

HCP:nh

C O P Y

1112690

Handwritten:
Bowman Gray
R-108-8
12-27-49

In Reply Refer To
RT:AC

Oak Ridge, Tennessee
December 14, 1949

James Gray School of Medicine
Main Building
Winston-Salem, North Carolina

Attention: Mr. Harry G. Fisher, Suburban

Branch, Room No. 20-200-200

Gentlemen

Reference is made to paragraph 3 of my letter of November 29 to you, and to your reply of December 2, 1949. I was surprised to find that you would send to us the documentary evidence, by letter in this instance, for the voucher to which we referred.

I am sorry for this misunderstanding, however, this information is necessary to complete the records required by the Audit Branch.

Sincerely yours,

[Signature]
Albert G. Holland, Jr.
Director of Research

Corley to

CONTRACT

RECORDED TO IN 10:32

OAK RIDGE SECURITY DIVISION

DISPATCHED

6976

OFFICE	Res. & Med.	Res. & Med.	Res. & Med.		
SURNAME	Corley	[Signature]	[Signature]		

1112691

COPY

WAKE FOREST COLLEGE
THE BOWMAN GRAY SCHOOL OF MEDICINE
Winston-Salem, North Carolina
Zone 7

Office of the Controller

December 2, 1949

U. S. Atomic Energy Commission
Post Office Box E
Oak Ridge, Tennessee

In Re: Contract No. AT
(40-1) 288

Attention: Dr. Albert H. Holland, Jr.
Director of Research & Medicine

Gentlemen:

We have your letter dated November 29, 1949 in regard to our claim for reimbursement of Title I of Appendix A on the above contract for items listed under permanent equipment in the amount of \$309.10.

The circumstances surrounding our claim for reimbursement for these items may be set forth as follows:

1. Material and installation of scrub sink \$55.30:
This sink is for the purpose of scrubbing and cleaning animal cages in which animals have been kept after being subjected to radioactive isotopes. This was considered a necessary piece of equipment for the purpose described above.
2. Material and labor for changing fresh air intake in counting room \$216.30:
When the fume hood for the isotope laboratory was received, its weight was far in excess of that estimated. As a result of its weight there was only one possible place in the laboratory in which it could be installed from the standpoint of support; consequently, in order to install the fume hood it was necessary to move a wall in the laboratory. This expenditure was considered by us as much an item of cost as the price of the fume hood itself since equipment cost should include the original price plus any necessary installation cost.
3. Painting \$36.50:
This item represents an expenditure as a result of items one and two above.

It is hoped that the above explanation of the items claimed for reimbursement is sufficient for you to **concur** in our decision that they represent equipment items for which reimbursement is proper.

COPY

CONTRACTS

Bowman Key
12-997

1112692

U. S. Atomic Energy Commission -----December 2, 1949

2

We regret that dates of purchase of equipment under Titles I, II & III were omitted. Future vouchers will show these dates.

If there is any further information which you wish in connection with the above equipment items, we will be very glad to furnish same and cooperate with you in any way possible. Please advise us if the above explanation is satisfactory.

Yours very truly,

/s/ Harry O. Parker

Harry O. Parker

Controller

HOP:MM

1112693

UNITED STATES
ATOMIC ENERGY COMMISSION

In Reply Refer To:
RMT:AMC

Oak Ridge, Tennessee
December 21, 1946

**Bowman Gray School of Medicine
Winston-Salem, North Carolina**

Subject: REPORTING FOR DIRECT AEC RESEARCH CONTRACTS,
CONTRACT NO. **AS-(40-1)-238**

Gentlemen:

The Atomic Energy Commission is desirous of establishing a uniform method of reporting for direct research contracts. Realizing that the preparation and distribution of large numbers of reports detract from the actual research effort, we have examined our requirements with the purpose of reducing the frequency and volume of reports to the minimum which will adequately serve the requirements of all concerned.

The scheduling and distribution of reports described herein will, we believe, represent some reduction in the reporting requirements set forth in your contract. Under special circumstances, of course, the Commission may request, or you may desire to issue additional reports. The proposed schedule of reports is shown in tabular form on the attachment hereto, and a discussion follows.

The progress reports should be treated as private administrative reports, and their primary purpose is to keep the AEC informed of the business aspects of the operation. They will also enable the Commission to review the investigator's accomplishments, as a basis for determining the best way in which the Commission staff can most effectively offer guidance and assistance in furthering the research, and for disclosing particular problems which the AEC would be interested in exploring to a greater or lesser extent.

Therefore, these progress reports will be distributed only among the Commission staff concerned directly with the work, in order that the reports may discuss freely all aspects of the project.

B. W. T. M.

1112694

Reports worthy of being disseminated should be, and ordinarily can be, prepared in form more suitable for publishing in the technical literature, and it would be undesirable for us to compile and circulate all progress reports submitted, or to assume responsibility for selection of material for distribution. Our reporting procedure is intended to allow investigators the greatest possible freedom to publish the scientific results of their unclassified research through the usual channels of the scientific journals, which we believe are the best media for their dissemination.

The procedure provides that one copy of scientific reports and manuscripts be sent to the Office of Technical Information of the Commission. A limited distribution will be made by that office of appropriate manuscripts, when recommended by the appropriate Division Director. In selecting manuscripts or reports for distribution, consideration will be given to the wishes of the investigator on priority of publication, and to the purpose or usefulness which would be served by such distribution.

Please note that this policy covers only progress and scientific reporting for the contract. The procedures and requirements concerning fiscal matters, including preparation of reimbursement vouchers, accounting and similar matters remain unchanged.

We should appreciate your comments in this matter. If acceptable you may place this procedure in effect immediately. The applicable provisions of your contract which are at variance with this procedure will be modified accordingly in the next modification of the contract.

Sincerely yours,

ORIGINAL SIGNED BY
ALBERT H. HOLLAND, JR., M.D.

Albert H. Holland, Jr., M.D.
Director of Research and Medicine

Encl.:
Distribution and Scheduling of Reports

Belcher:tw
cc: C. Vander Bulck (2)

Gaylord T. Walker, Chief, Audit Branch
Finance Division
Albert L. Holland, Jr., M.D., Director of Research
and Medicine
EXPENDITURES FOR RESEARCH CONTRACT NO. AT-(10-1)-288

December 16, 1949

REFER TO
SYMBOL: RMT:AMC

Reference is made to your memorandum of November 18 on the above subject. We are attaching a letter of December 2 received from the contractor outlining circumstances concerning their claim for reimbursement of the items mentioned in paragraph 2 of your memorandum.

These expenditures were incurred for use within the scope of the scientific work of the contract, and are not a part of the usual facilities which would be furnished by the contractor. It is my opinion that the charges are reimbursable under the terms of the contract.

You will notice that the contractor did not furnish the documentary evidence which you desired. We are contacting them again, and will supply you with the information when it is received.

Albert L. Holland, Jr., M.D.

Attach. 7FF
Ltr to Bowman Gray

Corley:tr

CONTRACTS

Bowman Gray

6977

OFFICE	Res & med	Res & med	Res & med			
SURNAME	Corley	Dilip				
DATE	12-16-49	12/19				

1112696

In Reply Refer To:
ASAC

Oak Ridge, Tennessee
November 29, 1949

Bowman Gray School of Medicine
Wake Forest College
Winston-Salem, North Carolina

Attention: Mr. Harry O. Parker, Controller

Subject: CONTRACT NO. AT-(40-1)-238

Gentlemen:

Reference is made to the voucher dated October 21, 1949, for the amount of \$5,517.08, which you submitted for expenditures incurred during the period July 1, 1949, through September 30, 1949, under Contract No. AT-(40-1)-238.

Your invoice supporting claim for reimbursement of cost of the work under Title I of Appendix A to the contract cites charges, under subheading "permanent equipment", for material and labor to install medical scrub sink in the amount of \$55.00, material and labor for changing fresh air intake in the counting room in the amount of \$46.00 and painting in the amount of \$0.50. We believe these items are not properly reimbursable under the contract, and should be considered as part of the college's contribution to the project. However, we may not be aware of the circumstances which prompted your decision to request reimbursement and will appreciate receiving any information you may wish to present to establish these items as reimbursable.

The Audit Branch has advised us that the dates of purchase or use of service has not been furnished for equipment purchased under Title I, Title II and Title III. This information is necessary to satisfy the usual documentary requirements for individual items of \$50.00 or more.

In order to expedite payment, we are processing the voucher with the understanding should an exception be made of the items enumerated in Paragraph 2 above, the amount will be deleted from future vouchers.

CONTRACTS

Robert Gray

OFFICE	<i>Head & Med</i>	<i>Res & Med</i>	<i>Res & Med</i>		
SUBMITTER	<i>Corley</i>	<i>Stueck</i>	<i>Pittman</i>	<i>Roberson</i>	<i>Atch</i>
DATE	<i>11-29-49</i>	<i>11/29/49</i>	<i>11/29</i>		

Bowman Gray School of Medicine
November 29, 1940

We will appreciate your cooperation, and will be glad to be of assistance to you in any way possible.

Sincerely yours,


Albert H. Holland, Jr., M.D.
Director of Research and Medicine

Corley:tw

OFFICE					
SURNAME					
DATE					

1112698

Office Memorandum • UNITED STATES GOVERNMENT

TO : Albert H. Holland, Jr., M. D., Director of
Research and Medicine

FROM : Gaylord T. Walker, Chief, Audit Branch
Finance Division

SUBJECT: EXPENDITURES FOR RESEARCH CONTRACT NO. AT-(40-1)-288

DATE: November 18, 1949

REFER TO
SYMBOL: FFA:AH

Your attention is called to Public Voucher, dated October 21, 1949, in the amount of \$5,047.08, for expenditures incurred during the period July 1, 1949 through September 30, 1949, by the Bowman Gray School of Medicine of Wake Forest College, under Contract No. AT-(40-1)-288.

The contractor's invoice supporting claim for reimbursement of cost of work under Title I of Appendix "A" to the contract cites charges, (under subheading "Permanent Equipment," for material and labor to install medical scrub sink in the amount of \$55.60, material and labor for changing fresh air intake in the counting room in the amount of \$216.80 and painting in the amount of \$56.50.

Services of this nature are not specifically included in the budget for "Permanent Equipment" under Title I. Also, the dates of purchase or use of service has not been furnished for equipment purchased under Title I, Title II and Title III. This information is necessary to satisfy the usual documentary requirements for individual items of \$50.00 or more.

Your cooperation in obtaining from the contractor the necessary information to clarify these claims for reimbursement will be appreciated.

We are processing the voucher in the full amount claimed, with the questionable items above referred to set up as suspense items pending receipt of clarifying data.

Gaylord T. Walker
Gaylord T. Walker

Harvey:kw

CONTRACTS

Bowman Gray

P-9641

1112699

December 17, 1949

Oak Ridge National Laboratory
Traffic Department
Post Office Box P
Oak Ridge, Tennessee

Gentlemen:

Thank you for your inquiry of December 14 regarding the transit of isotope shipments. It just happens that this week the plane could not land in Winston-Salem or Greensboro so that our shipment of Sodium 24 was taken all the way to Raleigh. It was brought back to Greensboro the following day, and we had to send a car for it there. By the time we got the sodium here to the laboratory, it was virtually useless for our experiments. The experiments we are doing require that we start our animals 10 days ahead of the expected date of arrival of the sodium in order to inject them the day the precipitins become positive. If we miss that time, the two weeks' work is thrown out the window. This, of course, is very discouraging to the investigators and the technical help as well.

Our only suggestion for improvement would be investigation of the possibility of shipping the isotopes on Southern Railway train No. 27, which leaves Knoxville around 7:15 a.m. arriving Winston-Salem 5:10 p.m. the same day. I am not sure whether baggage and express cars come straight through without change as do the coaches and pullmans. In a case of generalized bad weather as it was this week, it would have been perfectly obvious by Monday morning that it would be impossible to fly the isotopes to us. I do not know whether the train leaves too early to get the material on it, but this is the only way we can see to beat the weather in a similar situation. We don't mind having to drive 15 or 20 miles to pick it up, but it certainly is impractical to have to drive 100 miles to Raleigh, especially when we do not know that is where it is going to end up. I believe motor express would be sufficiently dependable, and I don't know whether there is a direct truck coming through from Knoxville to Winston without stop. That is another possibility in case of bad weather.

Sincerely,

CONTRACTS

George I. Harrell

G.I.H.
George I. Harrell, M. D.

1949

103

GTH:mjs

1112700

WAKE FOREST COLLEGE
THE BOWMAN GRAY SCHOOL OF MEDICINE
WINSTON-SALEM, NORTH CAROLINA
ZONE 7

DEPARTMENT OF
INTERNAL MEDICINE

December 1, 1949

Dr. Harry Stoeckle
Chief, Biology and Medicine Division
Atomic Energy Commission
Oak Ridge, Tennessee

Dear Dr. Stoeckle:

I just wanted to drop you a note to tell you of our decision regarding the move to Kansas. After talking it over here at great length with all members of the Department and thinking about it a long time, we have decided to remain here. The offer at Kansas was most flattering and tempting, and the decision was very difficult. We do appreciate so much your helpful and cooperative comments over the phone. We will be most happy to place ourselves at your disposal here whenever you are ready to resume conversations and negotiations on these contracts.

All the members of our Department have asked me to express to you our deep appreciation for all your help in the past. We hope we can look forward to many more happy years of mutually beneficial association in the prosecution of these research projects.

Cordially,

George T. Harrell, Jr.

George T. Harrell, M. D.

GTH:mjs

CONTRACTS

Bowman Gray

1112701

R-9977

WAKE FOREST COLLEGE
THE BOWMAN GRAY SCHOOL OF MEDICINE

DEPARTMENT OF
INTERNAL MEDICINE

WINSTON-SALEM, NORTH CAROLINA
ZONE 7

November 10, 1949

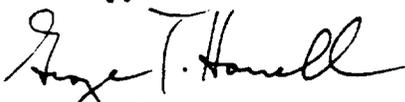
Dr. Harry Stoeckle
Division of Biology and Medicine
Atomic Energy Commission
Oak Ridge, Tennessee

Dear Dr. Stoeckle:

We have just obtained a photograph of the exterior of the building showing the new construction completed under the first year of the AEC grant, which was administered by ONR. For comparison, you will find a photograph of the building before alterations were made. Also enclosed you will find a floor plan of the Isotope Laboratory as completed. Attached to the floor plan are photographs of the various rooms with equipment in place as of October, 1949. If you will stand the photographs upright, you will see the rooms as one would view them if he stood in the room and looked in that direction. I believe we have previously furnished a blueprint, giving the exact measurements. You can see, then, how the \$6250 for construction was spent. The equipment purchased with the equipment budget can be readily visualized in these photographs and the arrangement in the laboratory seen from the floor plans. We thought you might like to have these for your information.

Please let me express to you the appreciation of all the members of our staff connected with these experiments for the wholehearted co-operation of the Atomic Energy Commission in making these facilities available for our research and in helping us to finance the experiments.

Sincerely,

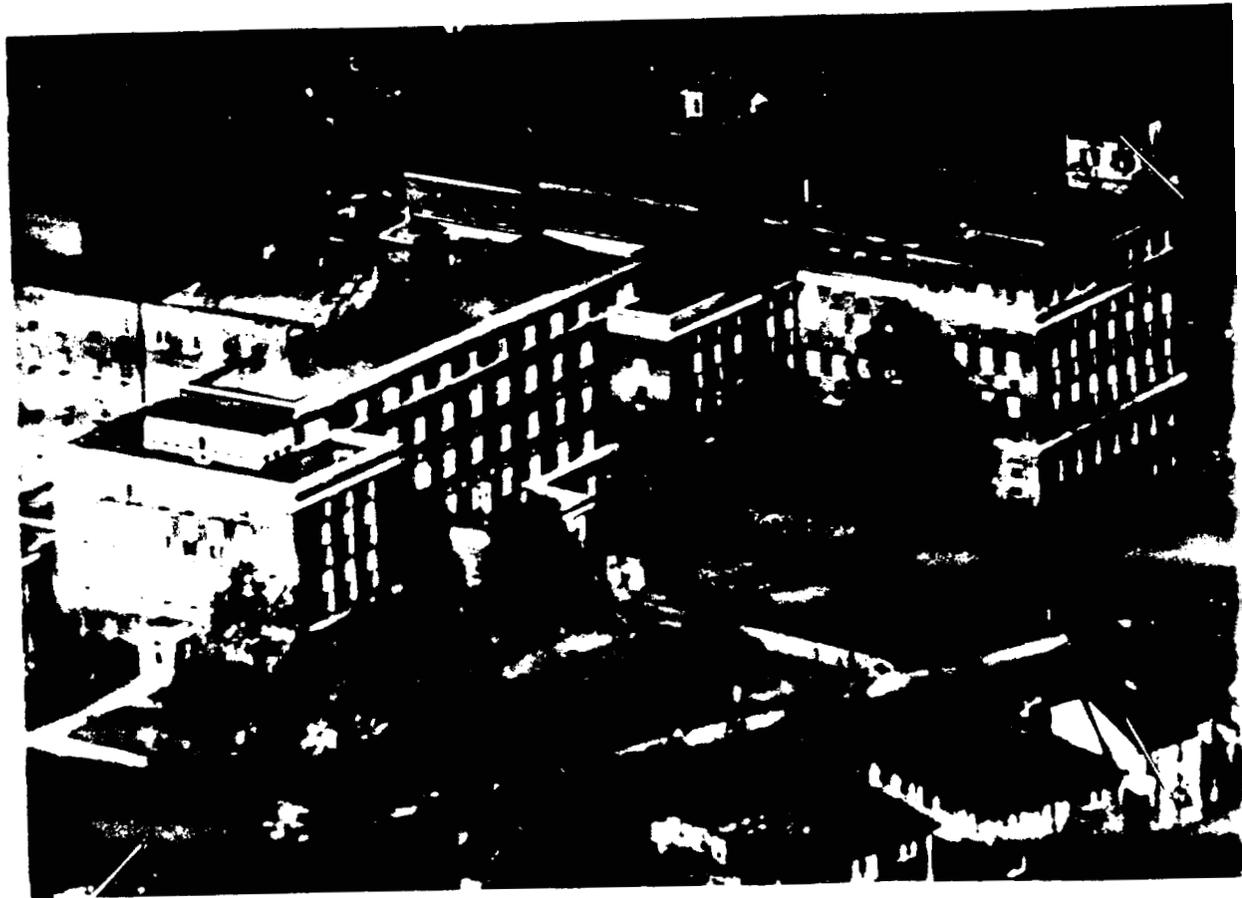

George T. Harrell, M. D.

CONTRACTS

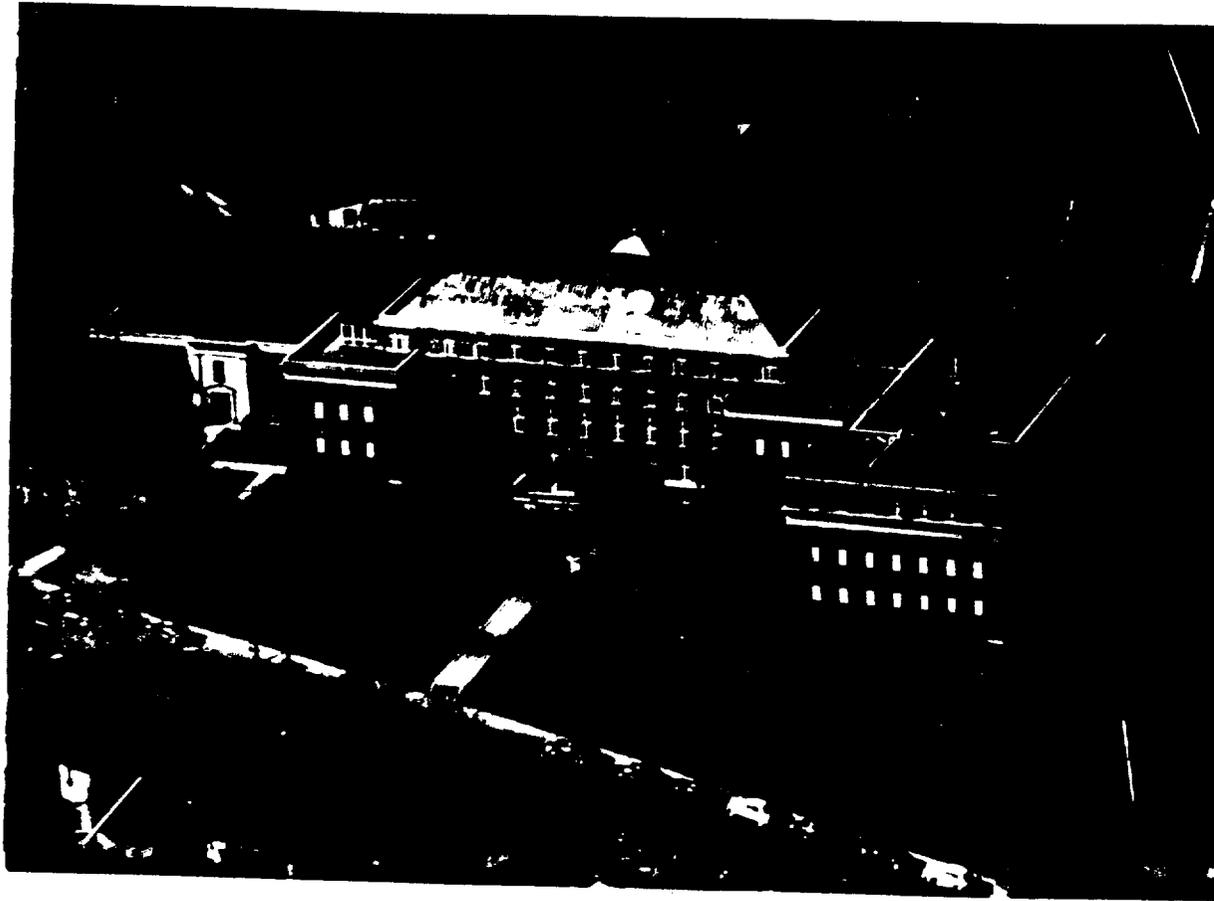
GTE:mjs

F.S. Photograph shows the location of duct work for the fume hood in relation to the intake for the dehumidifying apparatus and the cooling tower.

1112702



1112703



1112704

In Reply Refer To:
R-45 AEC

Oak Ridge, Tennessee
November 1, 1949

The Bowman Gray School of Medicine
Winston-Salem, North Carolina

Attention: Mr. Harry O. Parker, Controller

Subject: CONTRACT NO. AB-(10-1)-888

Gentlemen:

The vouchers which you submitted with your letter of October 24 are being processed for payment. You submitted them in the correct number of copies (1 original and four copies).

The attachments on invoice form listing the expenditures are satisfactory for our purpose as you submitted them. It is desired that they also be submitted in an original and four copies. If you prefer using this invoice form for the detailed expenditures, you may continue to do so. Our standard forms for this purpose are 1035, of which we are enclosing a supply. In the event you desire to use the standard Form 1035 to list your expenditures, you may place the certificate of use on the back of the Standard Form 1035.

Please do not hesitate to call on us if we can be of any further assistance.

Sincerely yours,

[Signature]
Albert B. Holliday, Jr., M.D., M.P.H.
Director of Research and Medicine

- ✓ Encls: 7FF
- 1. Std. Form 1035
- 2. Std. Form 1035a

Enclosure

CONTRACTS

6378

OFFICE ▶	<i>Phys. Dept.</i>	<i>Phys. Dept.</i>	<i>Phys. Dept.</i>			
SURNAME ▶	<i>Cortley</i>		<i>Belcher</i>			
DATE ▶	<i>11-9-49</i>		<i>11/7</i>			

1112705

WAKE FOREST COLLEGE
THE BOWMAN GRAY SCHOOL OF MEDICINE
WINSTON-SALEM, NORTH CAROLINA
ZONE 7

OFFICE OF THE CONTROLLER

October 24, 1949

U. S. Atomic Energy Commission
Oak Ridge Operations
Post Office Box E
Oak Ridge, Tennessee

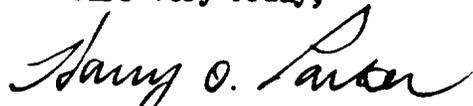
Gentlemen:

We are enclosing herewith Public Voucher No. 1034 with attachments showing the details of expenditures under Contract A-T (40-1)-288, Title I, II, III, for the quarter ending September 30, 1949.

The instructions left with us for preparing public vouchers did not indicate the number of copies which should be forwarded. We have made original and four copies of this voucher together with the details of expenditures attached thereto. The attachments have been prepared on invoice forms that were required for reporting expenditures under the Navy Contract for last year and we have assumed that they will serve the purpose for supporting detail in this connection.

Please advise us if this is a sufficient number, or if in the future, it is necessary that we prepare only an original and one copy.

Yours very truly,



Harry O. Parker
Controller

HOP:nh

CONTRACTS

Bowman Gray

OCT 27 1949

P-9193X

1112706

In Reply Refer To:
RM:AC

Oak Ridge, Tennessee
October 11, 1949

President Thomas B. Ritchie
Wain Forest College
Winston-Salem, North Carolina

Dear President Ritchie:

Reference is made to Contract No. 49-10-1-228 between the Commission and the Bowman Gray School of Medicine of Wain Forest College.

Your attention is called to the provisions of Section 2384 of the Independent Offices Appropriation Act of 1950 (Public Law 566, 81st Congress, 1st Session), which became effective on August 21, 1949. This provision reads as follows:

"No part of any appropriation contained in this title for the AEC shall be used to confer a fellowship on any person who advocates or who is a member of an organization or party that advocates the overthrow of the Government of the United States by force or violence or with respect to whom the Commission finds, upon investigation and report by the FBI on the character, associations, and loyalty of whom, that reasonable grounds exist for belief that such person is disloyal to the Government of the United States: Provided, That any person who advocates or who is a member of an organization or party that advocates the overthrow of the Government of the United States by force or violence and accepts employment or a fellowship the salary, wages, stipend, grant, or expenses for which are paid from any appropriation contained in this title shall be guilty of a felony and, upon conviction, shall be fined not more than \$5,000, or imprisoned for not more than one year, or both: Provided further, That the above penal clause shall be in addition to, and not in substitution for, any other provisions of existing law."

In order to assure compliance with the above provision, it is required

CONTRACTS

Bowman Gray

OFFICE	<i>Rep. & Med</i>	<i>Rep. & Med</i>	<i>Rep. & Med</i>	<i>Asst. to Dir.</i>	<i>Asst. to Dir.</i>
SIGNATURE	<i>Conley</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
DATE	<i>11-22-49</i>	<i>11-22-49</i>	<i>11-22-49</i>	<i>11-22-49</i>	<i>11-22-49</i>

1112707

President Thomson D. Kitchin
October 31, 1949

by the Commission under the contract should not hereafter be used to confer a fellowship on any person, or to pay the stipend of any other appointment for which commensurate services are not rendered under this contract. If you have any questions concerning this matter, please write directly to me.

Sincerely yours,

R. W. Cook
Manager
Oak Ridge Operations

X/CC: G. G. Carpenter, Dean, Bowman Gray School
of Medicine

OFFICE
SURNAME
DATE

In Reply Refer To:
RMA:AMC

Oak Ridge, Tennessee
October 13, 1949

Dr. Cecille Arton
The Bowman Gray School of Medicine
Winston-Salem 7, North Carolina

Subject: CLEARANCE REPORT - DR. MAJORIE A. SWANSON

Dear Dr. Arton:

This is to advise that "Q" clearance number CR-6688 has been granted to Dr. Majorie A. Swanson in connection with the work under contract No. A2-(10-1)-283.

Sincerely yours,


Albert H. Holland, Jr., M.D.
Director of Research and Medicine

Corley:tw

01 53
CONTRACTS
James H. [unclear]

6079

OFFICE ▶	Res. & Med.	Res. & Med.	Res. & Med.			
SURNAME ▶	Corley	Rehman				
DATE ▶	10-13-49					

1112709

In Reply Refer To
R:AMC

Oak Ridge, Tennessee
October 11, 1949

Dr. Cassile Arton
The Bowman Gray School of Medicine of
Wake Forest College
Winston-Salem 7, North Carolina

Subject: CLEARANCE REPORT

Dear Dr. Arton:

This is to advise you that you have been granted "Q" clearance
number 4-8685 in connection with your work under Contract No.
AT-(10-1)-283.

Sincerely yours,


Albert W. Holland, Jr., M.D.
Director of Research and Medicine

Copy to:

CONTRACTS

Handwritten signature

OFFICE ▶	Res. & Med	Res. & Med	Res. & Med			
SURNAME ▶	Arley	Buller				
DATE ▶	10-11-49	10/12				

1112710

In Reply Refer To:
R-448

Oak Ridge, Tennessee
September 20, 1949

Mr. Harry O. Parker
Wake Forest College
The Bowman Gray School of Medicine
Winston-Salem 7, North Carolina

Subject: CONTRACT NO. ~~AS-10-1~~ - 288

Dear Mr. Parker:

Reimbursement for any expenditures incurred under Contract
AS-10-1-288 will be made as stated in your letter of
September 8, in accordance with Article III of the contract.

Sincerely yours,

[Signature]
Albert N. S. [unclear], Jr., M.D.
Director of Research and Medicine

Cosley:tr

CONTRACTS

[Handwritten signature]

5782

OFFICE ▶	Res. & Med.	Res. & Med.	Res. & Med.			
SURNAME ▶	<i>Cosley</i>	<i>[Signature]</i>				
DATE ▶	9/20/49	9/21				

1112711

WAKE FOREST COLLEGE
THE BOWMAN GRAY SCHOOL OF MEDICINE
WINSTON-SALEM, NORTH CAROLINA
ZONE 7

September 8, 1949

OFFICE OF THE CONTROLLER

U. S. Atomic Energy Commission
Oak Ridge Operations
Post Office Box E
Oak Ridge, Tennessee

Subject: Contract No. AT(40-1) - 288

Gentlemen:

Under date of September 2, 1949 we received a letter from the Philadelphia Regional Office, Army Audit Agency, a copy of which is enclosed. There is also enclosed a copy of our letter to the Army Audit Agency.

As stated in our letter, it was our understanding that we were supposed to file with your office Public Voucher No. 1091 for expenditures for the first quarter, and each quarter thereafter. If there is any change in this procedure, it will be greatly appreciated if you will advise us.

Yours very truly, *A*

Harry C. Parker

Harry C. Parker
Controller

HCP:nh

Enclosure *am*

SEP 20 1949

CONTRACTS

Stewart

1112712

ARMY AUDIT AGENCY
Philadelphia Regional Office
2800 South 20th Street

Philadelphia 45, Pennsylvania

AAATB-IA

2 September 1949

Bowman-Gray School of Medicine
of Wake Forest College
Winston-Salem 7, North Carolina

Gentlemen:

Pursuant to joint letter of the Supervisory Cost Inspector, United States Navy, Eastern Area; the Regional Auditor, Eastern Region, Office of the Auditor General, United States Air Force; and the Regional Auditor, Philadelphia Regional Office, Army Audit Agency, file 2008-ED-2014, dated 8 August 1949, advice is given that audit coordination at your plant will be assumed by the Resident Auditor designated hereunder, effective on 1 September 1949. It is requested that claims for reimbursement under your contracts with any of the Armed Services be submitted directly to the following location for processing for audit and payment:

William W. Berry, Resident Auditor
Philadelphia Regional Office
Army Audit Agency
Room 101, Carr Building
East Campus, Duke University
Durham, North Carolina

Sincerely yours,

(Signed) W. F. SELBERT
Associate Regional Auditor

cc: CNR Contract Administrator, Southeastern Area,
ONR, Washington, D. C. (1)
Res Aud, PHRC, AAA, Durham, N. C. (1)
SCI, USN, EA (2)
Reg aud, OAG, USAF, Eastern Reg (3)

COPY

1112713

September 8, 1949

Mr. M. F. Selbert
Associate Regional Auditor
Army Audit Agency
Philadelphia Regional Office
200 South 20th Street
Philadelphia 45, Pennsylvania

Reference: AAATB - 1A

Dear Sir:

Reference is made to your letter dated September 2, 1949 in regard to the joint letter of the Supervisory Cost Inspector, U. S. Navy, Eastern Area, etc., file 2008-BD-2014, dated August 8, 1949 pertaining to audit co-ordination at our school, effective September 1, 1949.

Our research grant (Contract No. 63700) for work with the Atomic Energy Commission, which was administered by the Department of Navy, Office of the Naval Research were for the year ended June 30, 1949. Our contract for this research activity for the year ending June 30, 1950 is being handled directly by the Atomic Energy Commission at Oak Ridge, Tennessee. It is our understanding that disbursements under this grant will be reported directly to Oak Ridge, Tennessee quarterly, rather than submitting monthly invoice for reimbursement to the Army Audit Agency as was done for the year ended June 30, 1949.

For the reasons stated above, advice is requested as to the significance of your letter dated September 2, 1949. Upon receipt of your letter it was considered as being sent routinely in view of the fact that it was assumed that our contract under the Office of Naval Research, U. S. Navy Department would be continued through 1949-50.

Your advice in regard to the above will be greatly appreciated.

Yours very truly,

Harry O. Parker
Controller

HOP:nh

cc: U. S. Atomic Energy Commission

COPY

1112714

WAKE FOREST COLLEGE
THE BOWMAN GRAY SCHOOL OF MEDICINE
WINSTON-SALEM, NORTH CAROLINA
ZONE 7

August 25, 1949

OFFICE OF THE CONTROLLER

U. S. Atomic Energy Commission
Oak Ridge Operations
Post Office Box E
Oak Ridge, Tennessee

Reference: RN:GAJ

Gentlemen:

There is enclosed herewith Public Voucher 1034 with four copies for advancement of funds under Contract No. At-(40-1)-238 in the amount of \$13,960.00.

It will be greatly appreciated if you can expedite the remittance of this amount as soon as possible.

Yours very truly,

Harry O. Parker

Harry O. Parker
Controller

HOP:nh

Enclosure

CONTRACTS

Bowman Gray Medical School

R-8018

1112715

In Reply Refer To:
RM:EAJ

Oak Ridge, Tennessee
August 23, 1949

Mr. Harry G. Parker, Controller
The Bowman Gray School of Medicine
Winston-Salem, N. C.

Subject: ADVANCEMENT OF FUNDS, CONTRACT NO. AT-(40-1)-288

Dear Mr. Parker:

We are enclosing voucher which we have prepared for your convenience and for your guidance in the future in requesting funds on Contract No. AT-(40-1)-288.

You will note one white copy, Form 1034 and 5 yellow copies, Form 1000a have been made. Please sign the original and return with 4 yellow copies to this office.

We will appreciate it if you will submit vouchers to us in this manner, together with a certified schedule of expenditures in duplicate, when requesting the quarterly payments due, as outlined in Article III 1b. This will enable us to expedite payments to you.

Sincerely yours,

Albert H. Holland, Jr., M.D.
Director of Research and Medicine

Enclosure: *nff*
Voucher

Jones *mm*

CONTRACTS
Bowman

OFFICE	<i>Res Med</i>	<i>Res Med</i>	<i>Res Med</i>		
SURNAME	<i>Jones</i>	<i>Stoeckle</i>	<i>Quicker</i>		
DATE	<i>8-23-49</i>	<i>8-23-49</i>	<i>8-23-49</i>		

1112716

WAKE FOREST COLLEGE
THE BOWMAN GRAY SCHOOL OF MEDICINE
 WINSTON-SALEM, NORTH CAROLINA
 ZONE 7

OFFICE OF THE CONTROLLER

August 13, 1949

5/50

U. S. Atomic Energy Commission
 Oak Ridge Operations
 Post Office Box E
 Oak Ridge, Tennessee

Subject: Contract No. At-(40-1)-288
 GC:JN

Gentlemen:

In connection with the above contract which has been executed, and as provided in Article III, lb, we are requesting that you forward to us funds to cover operating expenditures for the first two quarters under the contract as follows:

Appendix A, Title I

Personnel	\$2,350.00	
Permanent Equipment	2,000.00	
Expendable Supplies & Other	<u>1,800.00</u>	\$6,150.00

Appendix A, Title II

Personnel	2,160.00	
Permanent Equipment	2,000.00	
Consumable Supplies & Other	<u>2,100.00</u>	6,260.00

Appendix A, Title II

Personnel	750.00	
Permanent Equipment	200.00	
Expendable Supplies & Other	<u>600.00</u>	1,550.00
		<u>\$13,960.00</u>

In view of the fact that this contract was effected as of July 1, 1949, and salaries and other expenses incident thereto have been paid from general school funds, it will be greatly appreciated if you will cooperate with us in every way possible expedite the forwarding of the above amounts to us.

Yours very truly,

Harry O. Parker
 Harry O. Parker
 Controller

MIG 1 - 1949
 R-97-1
CONTRACTS
Boyer

HOP:nh

1112717